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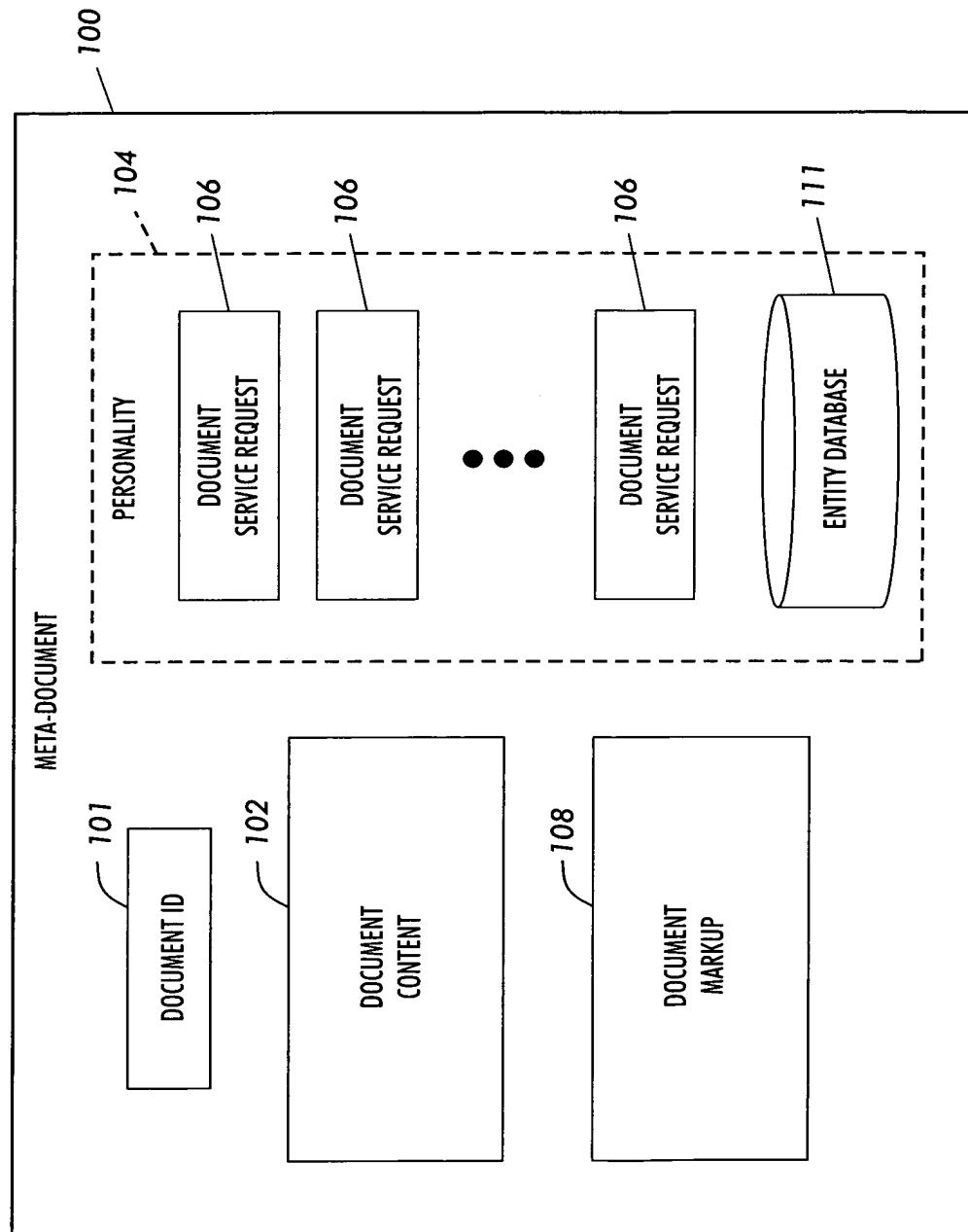


FIG. 1

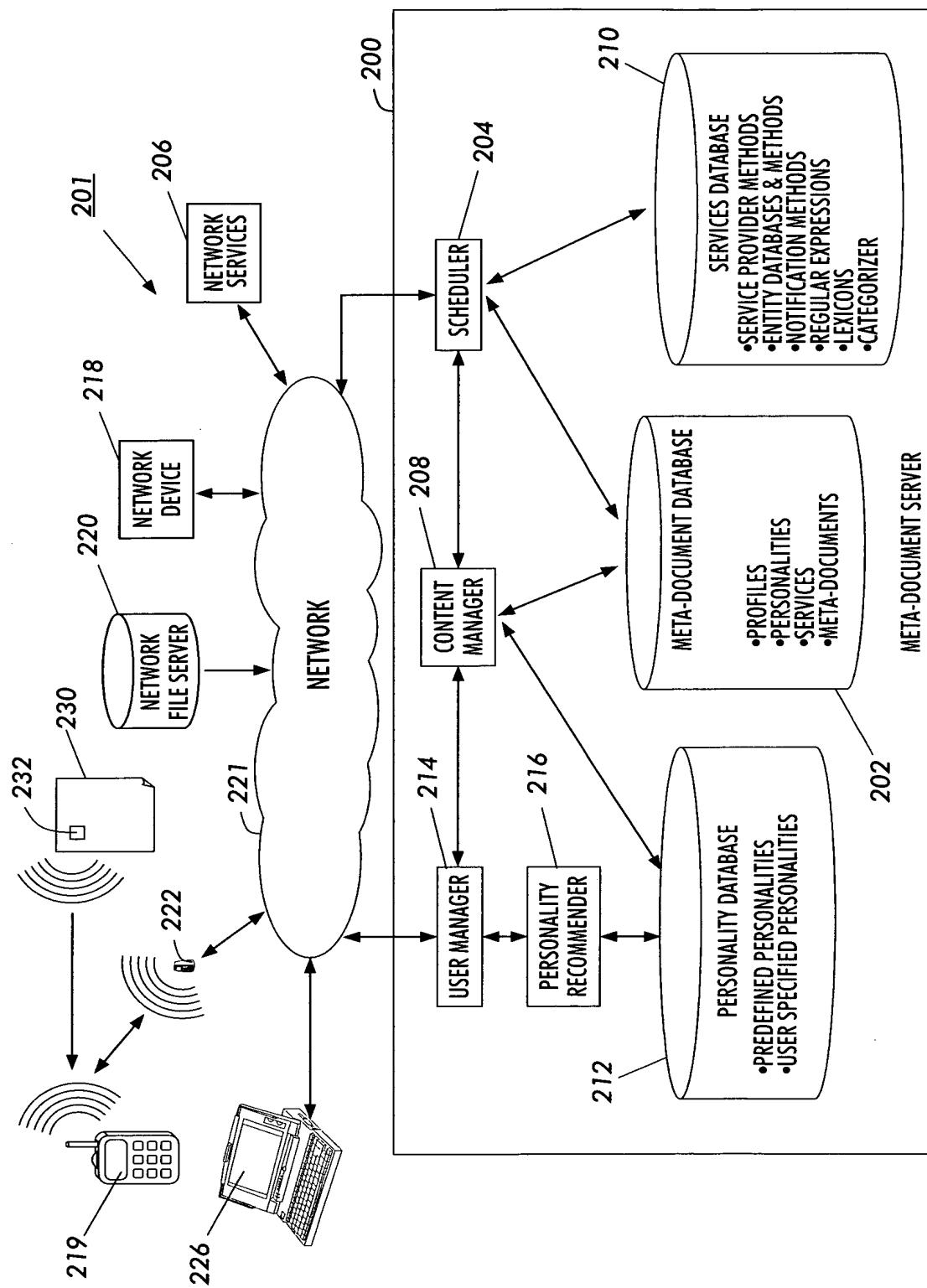


FIG. 2

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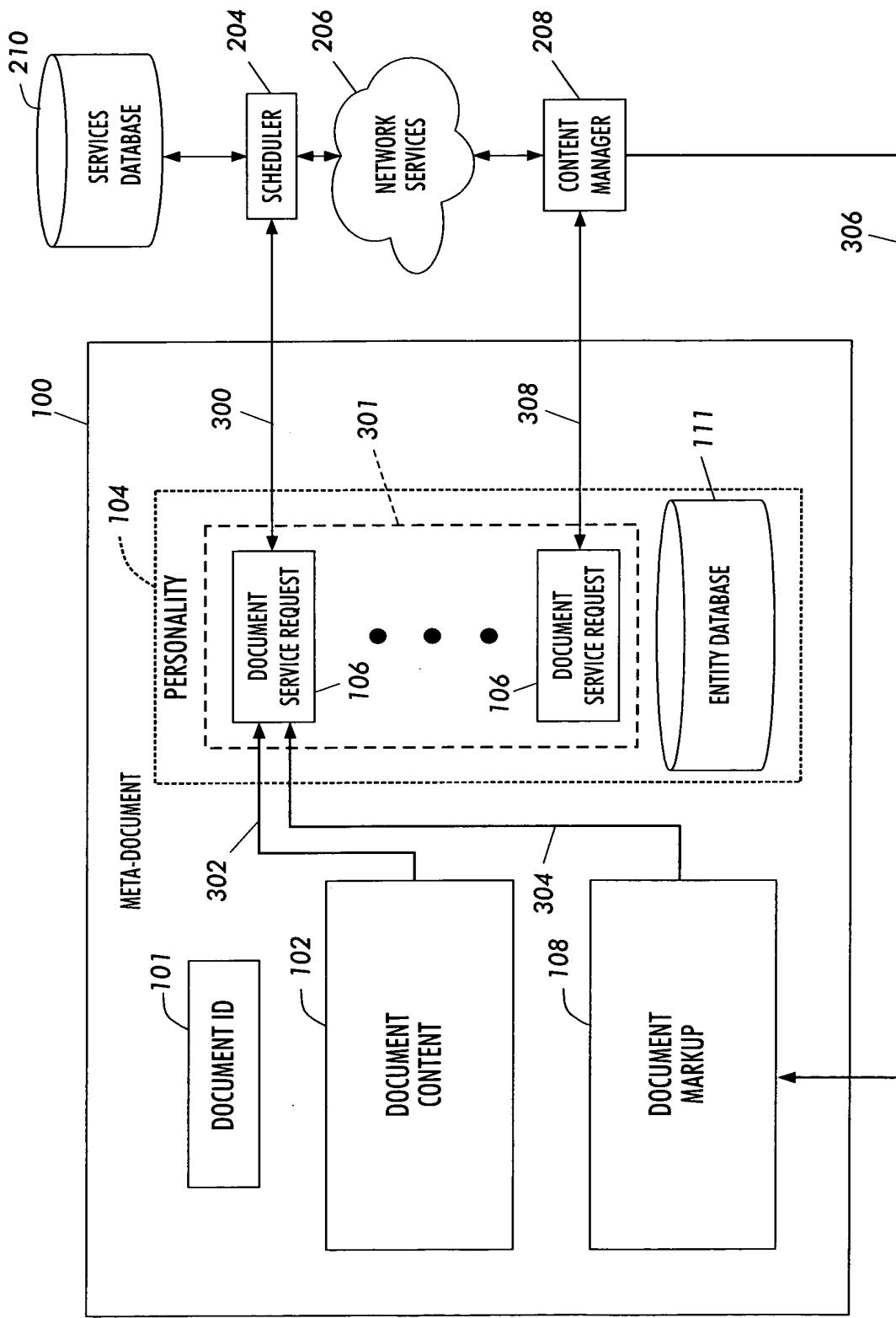
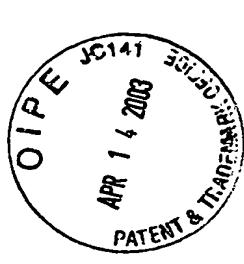


FIG. 3



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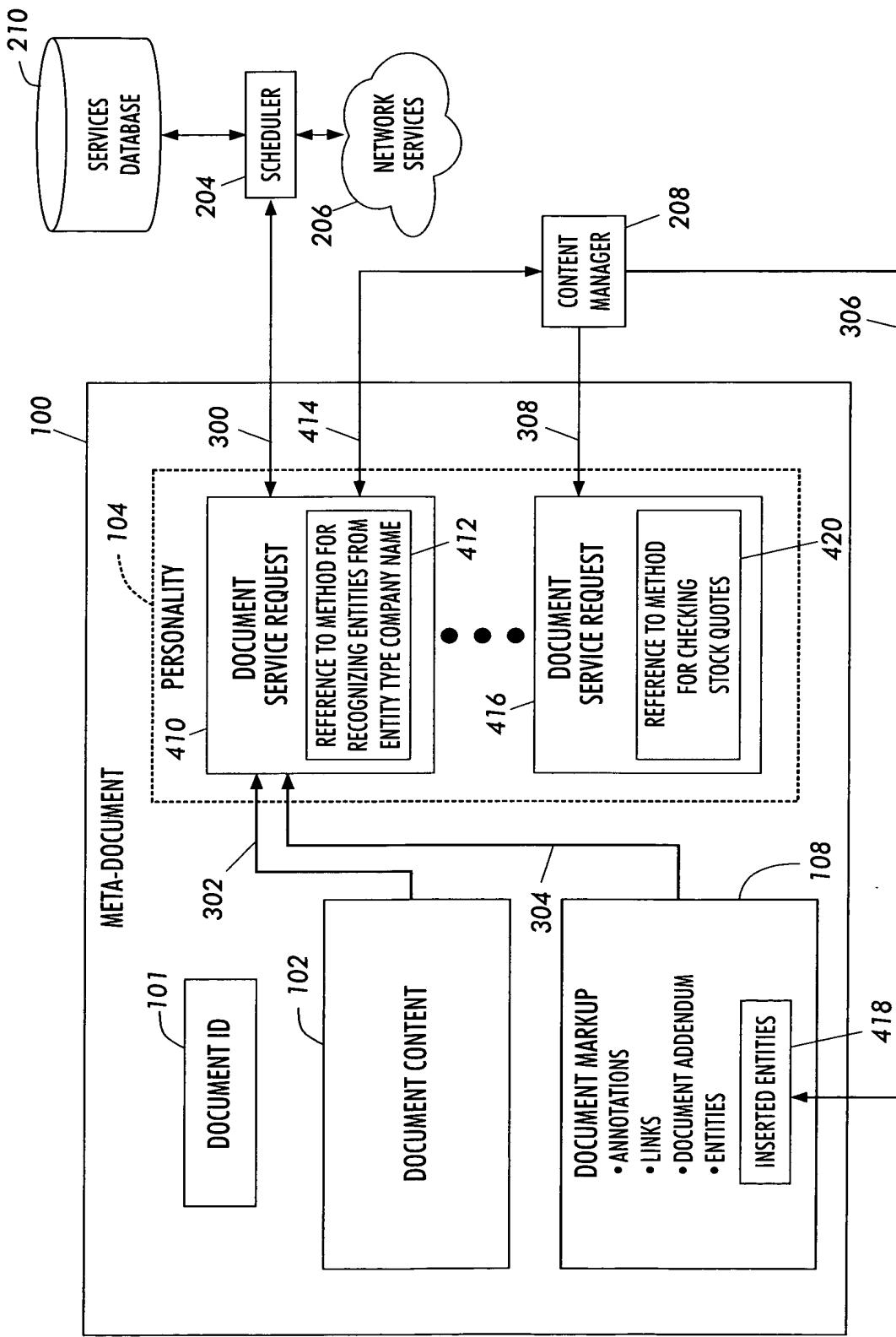


FIG. 4

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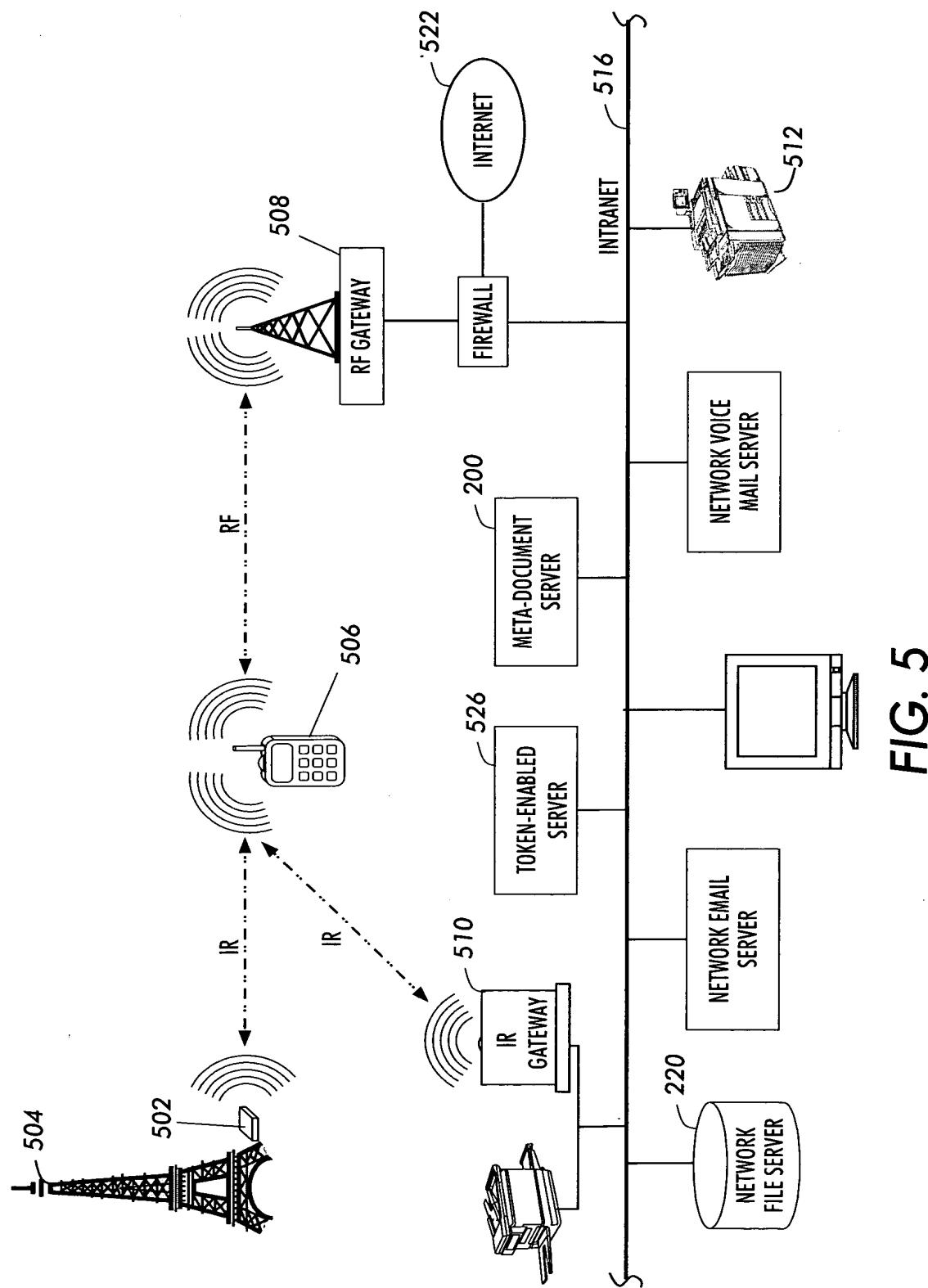


FIG. 5

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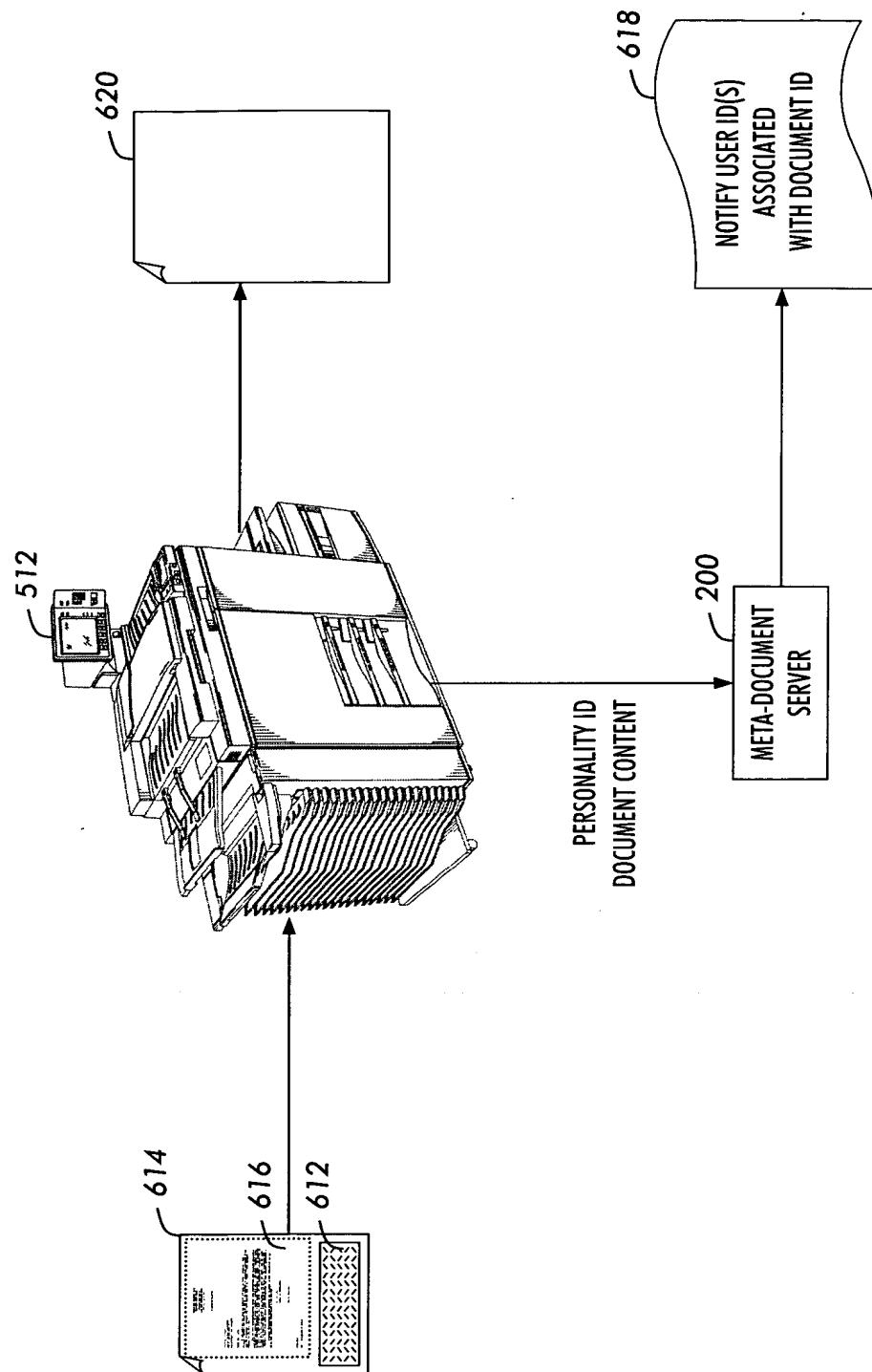


FIG. 6

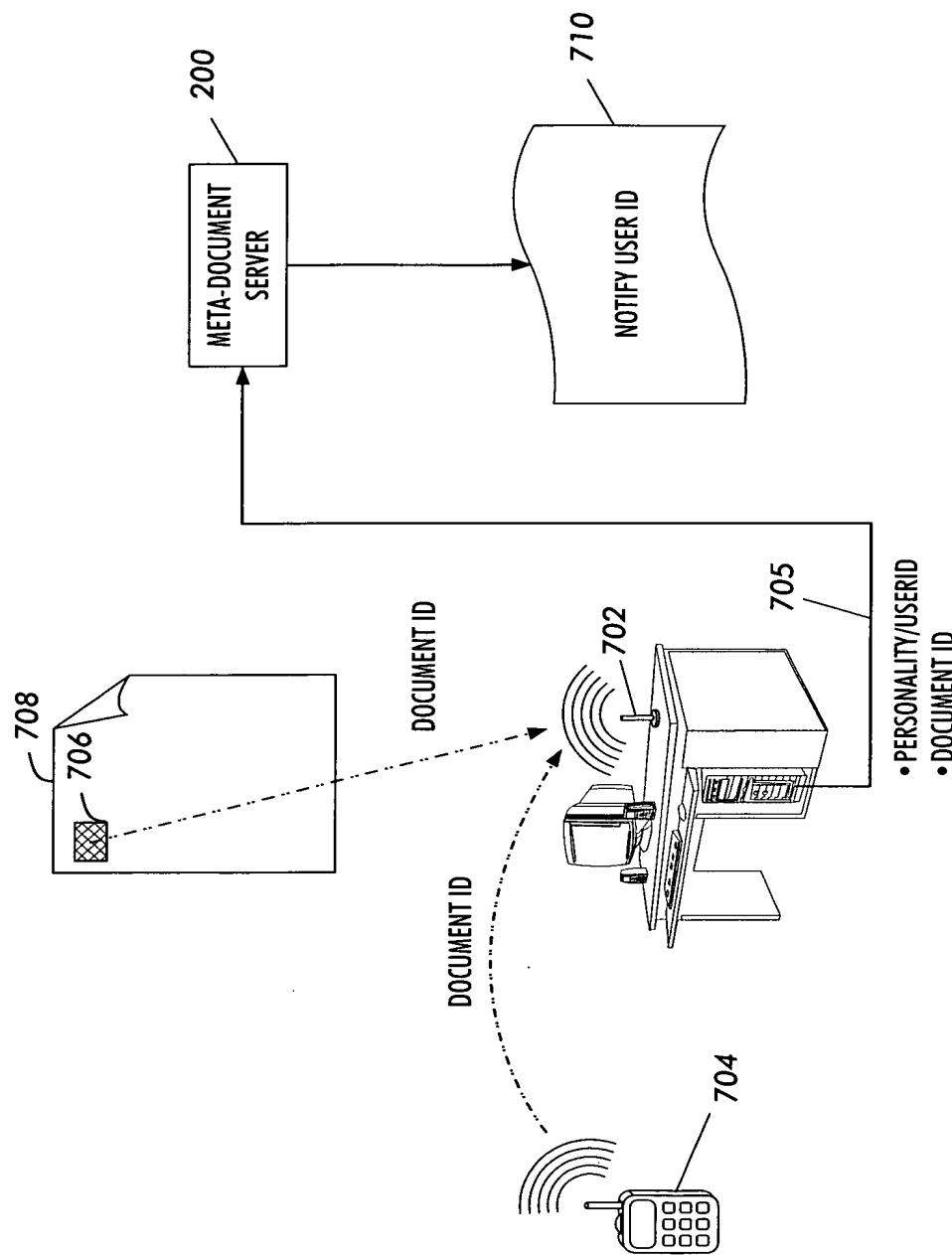
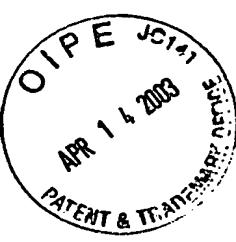


FIG. 7



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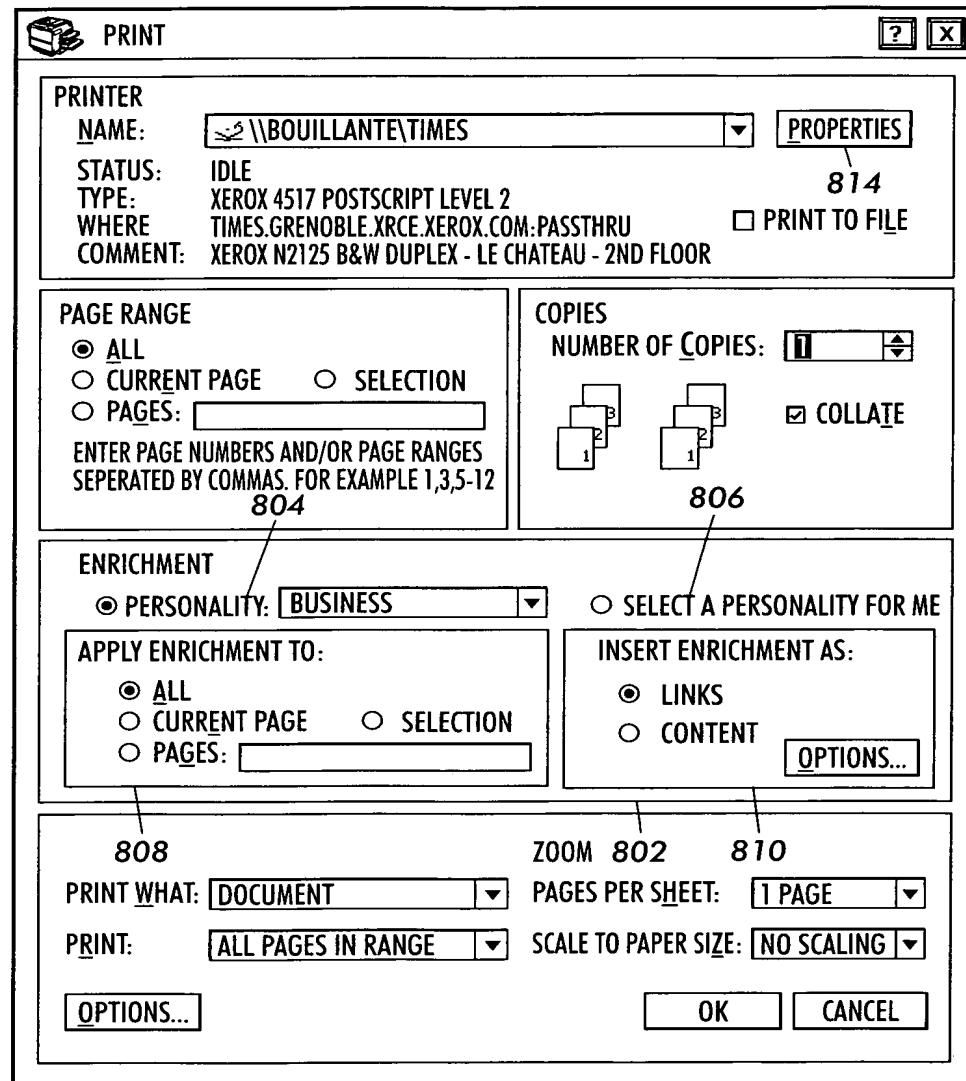


FIG. 8

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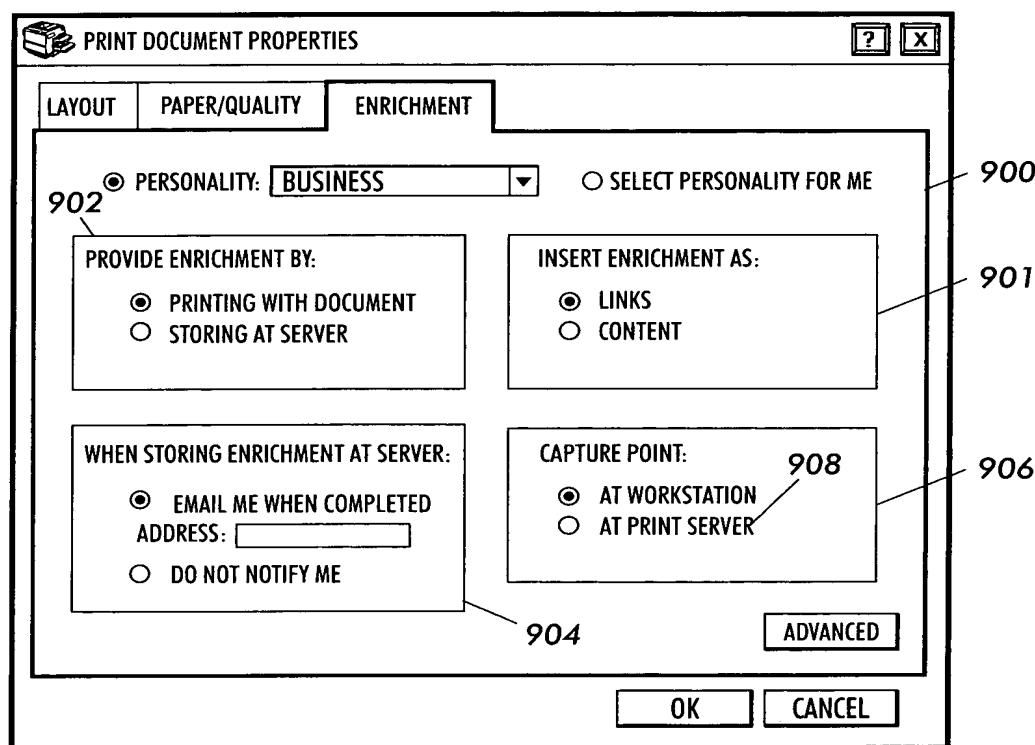
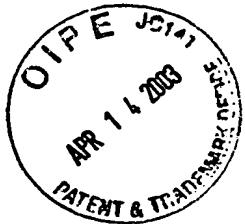


FIG. 9



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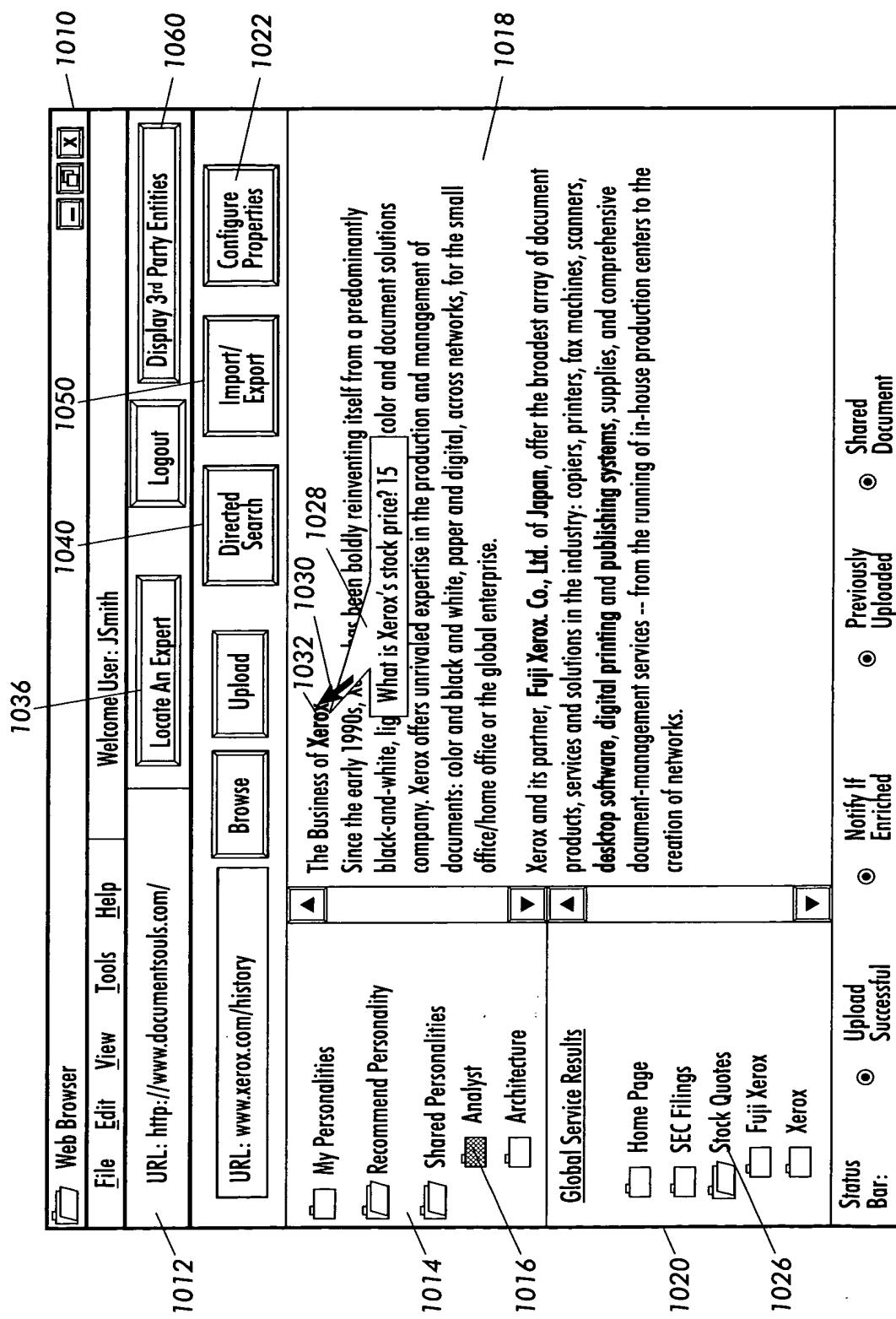
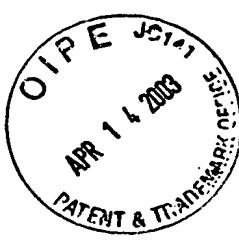


FIG. 10



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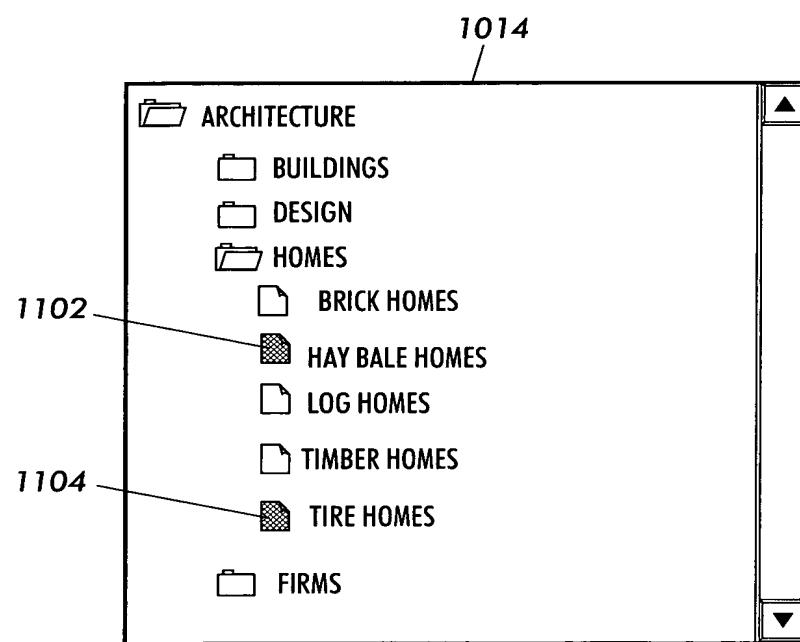


FIG. 11

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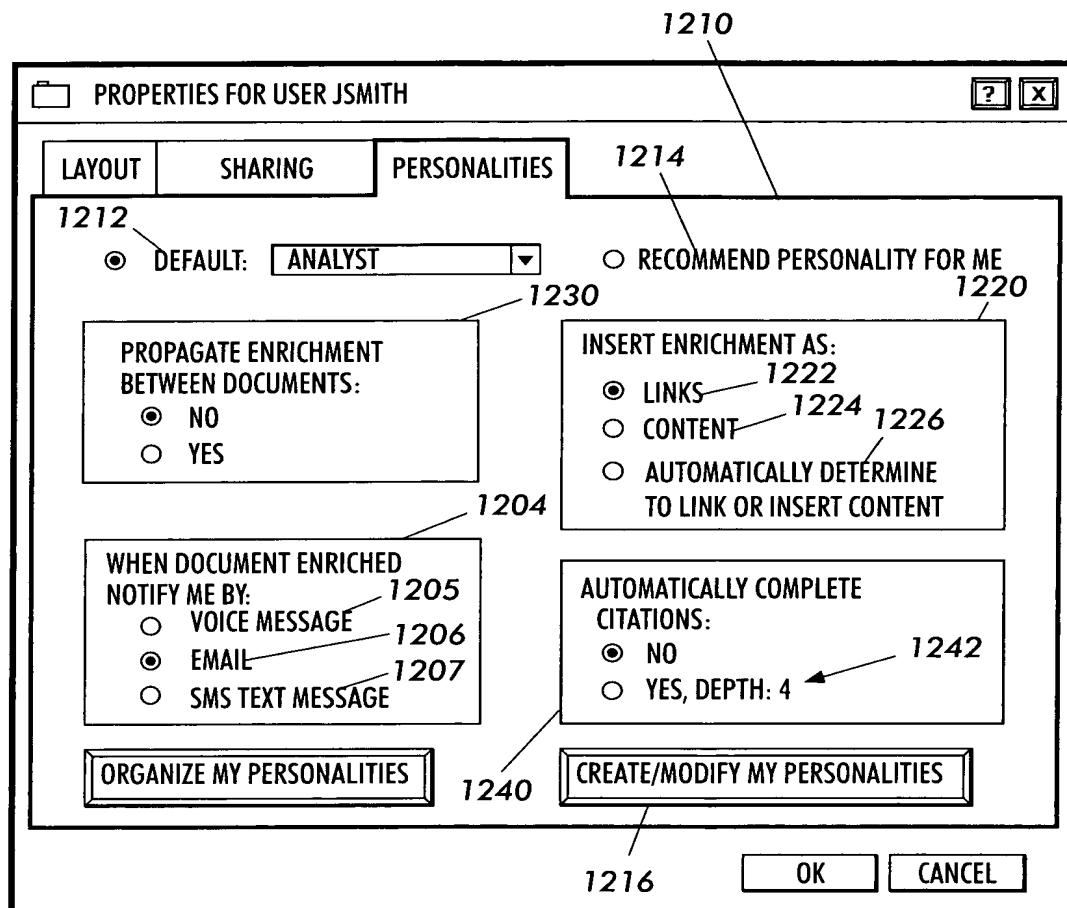


FIG. 12

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1310

CREATE/MODIFY A GROUP OF EXISTING PERSONALITIES													
<input type="checkbox"/>	LIST OF AVAILABLE PERSONALITIES												
<table border="1"> <thead> <tr> <th>Name</th> <th>Creation Date</th> </tr> </thead> <tbody> <tr> <td>Technology Watch in Computer Sciences</td> <td>2001-03-16 14:08:06</td> </tr> <tr> <td>Watch Business</td> <td>2001-03-16 14:08:08</td> </tr> <tr> <td>Watch Legal</td> <td>2001-03-16 14:08:10</td> </tr> <tr> <td>Watch Intellectual Property</td> <td>2001-03-16 14:08:10</td> </tr> <tr> <td>Scientific Watch in Medicine</td> <td>2001-03-16 14:08:10</td> </tr> </tbody> </table>		Name	Creation Date	Technology Watch in Computer Sciences	2001-03-16 14:08:06	Watch Business	2001-03-16 14:08:08	Watch Legal	2001-03-16 14:08:10	Watch Intellectual Property	2001-03-16 14:08:10	Scientific Watch in Medicine	2001-03-16 14:08:10
Name	Creation Date												
Technology Watch in Computer Sciences	2001-03-16 14:08:06												
Watch Business	2001-03-16 14:08:08												
Watch Legal	2001-03-16 14:08:10												
Watch Intellectual Property	2001-03-16 14:08:10												
Scientific Watch in Medicine	2001-03-16 14:08:10												
<p>LIST OF ALL WATCH BUSINESS SERVICES</p> <p>those Services are classified by Service Categories, a ticked checkbox meaning that the according service is attached to the selected personality.</p>													
<p>1316</p> <p>1318</p> <p>1312</p> <p>1314</p> <p>1319</p>													
<p>Click on this icon to view all available service categories</p> <table border="1"> <tr> <td>Search Engine</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2">• luckygoogle People Google Lucky Result</td> </tr> <tr> <td>Stock Quotes</td> <td><input type="checkbox"/></td> </tr> <tr> <td colspan="2">• bloomberg Stock Quotes</td> </tr> </table>		Search Engine	<input type="checkbox"/>	• luckygoogle People Google Lucky Result		Stock Quotes	<input type="checkbox"/>	• bloomberg Stock Quotes					
Search Engine	<input type="checkbox"/>												
• luckygoogle People Google Lucky Result													
Stock Quotes	<input type="checkbox"/>												
• bloomberg Stock Quotes													
<p>OK</p> <p>CANCEL</p>													

FIG. 13

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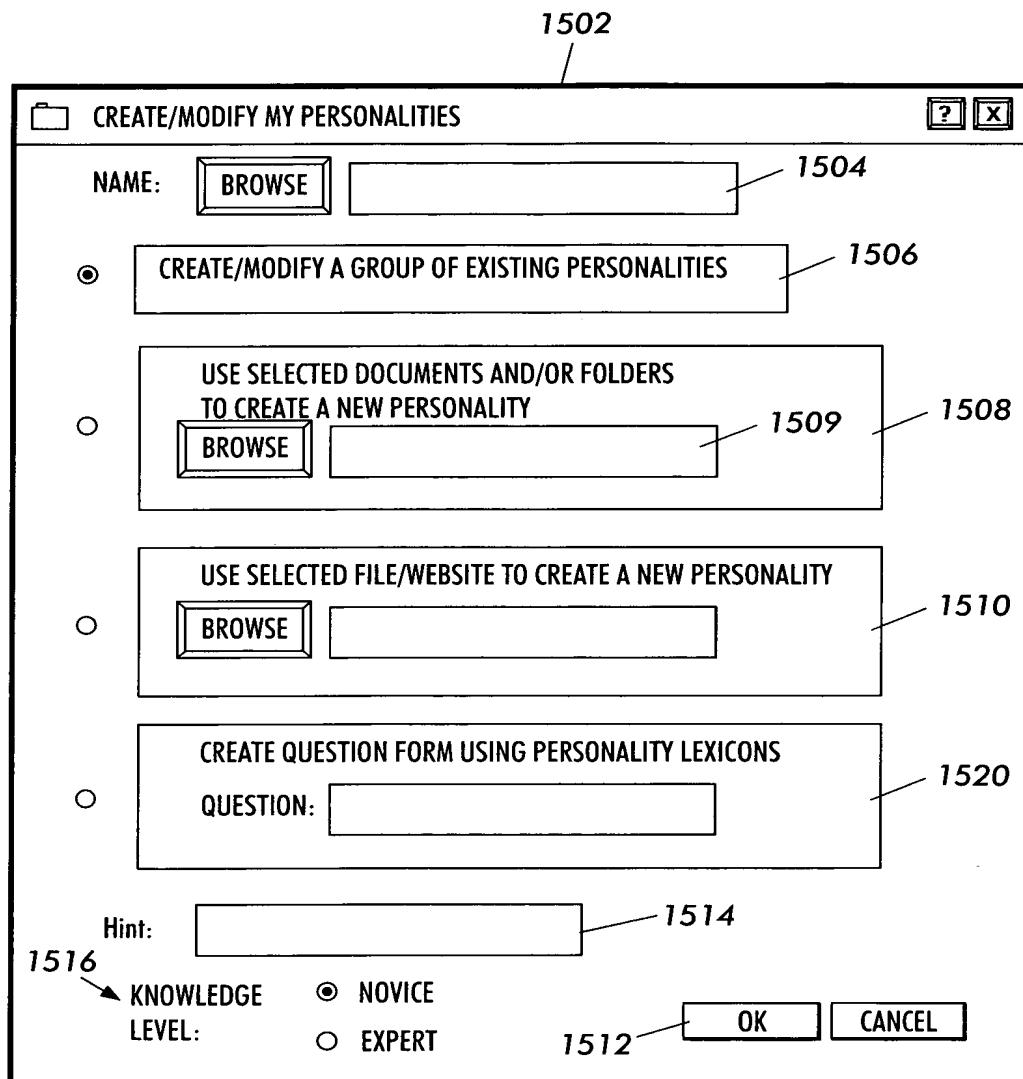
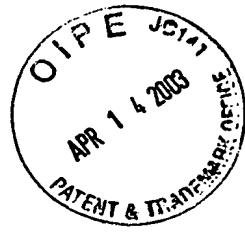


FIG. 15



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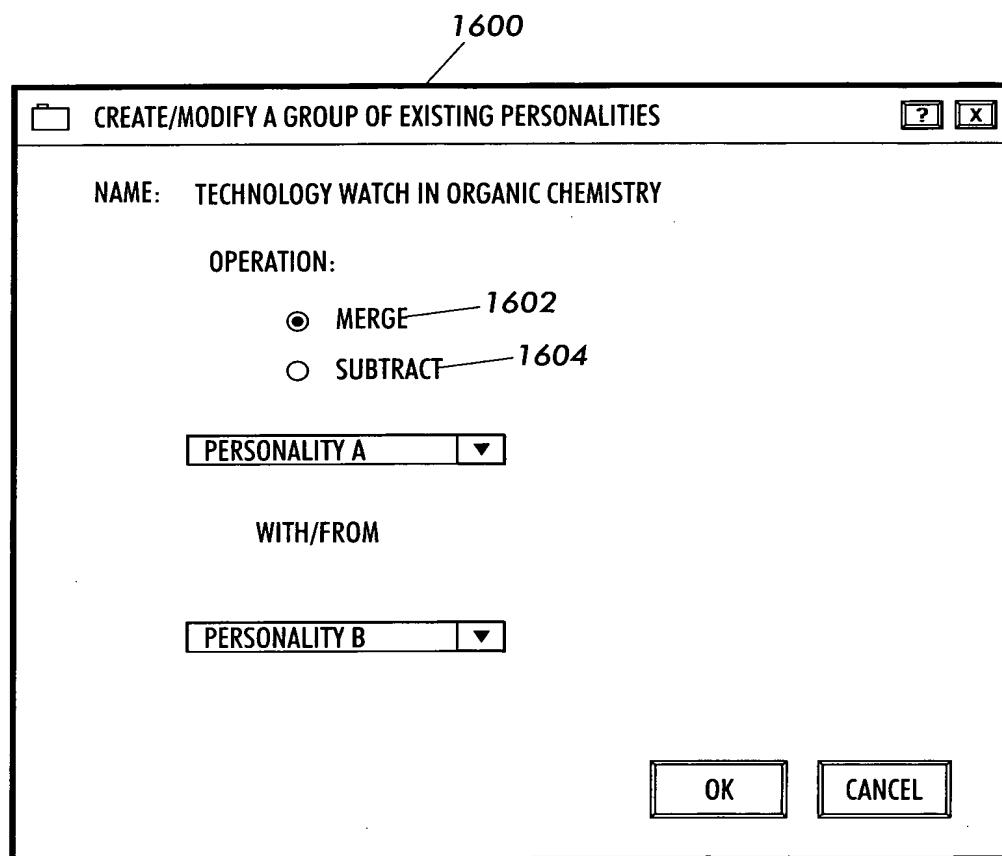
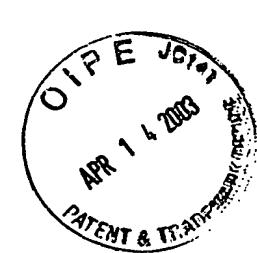


FIG. 16



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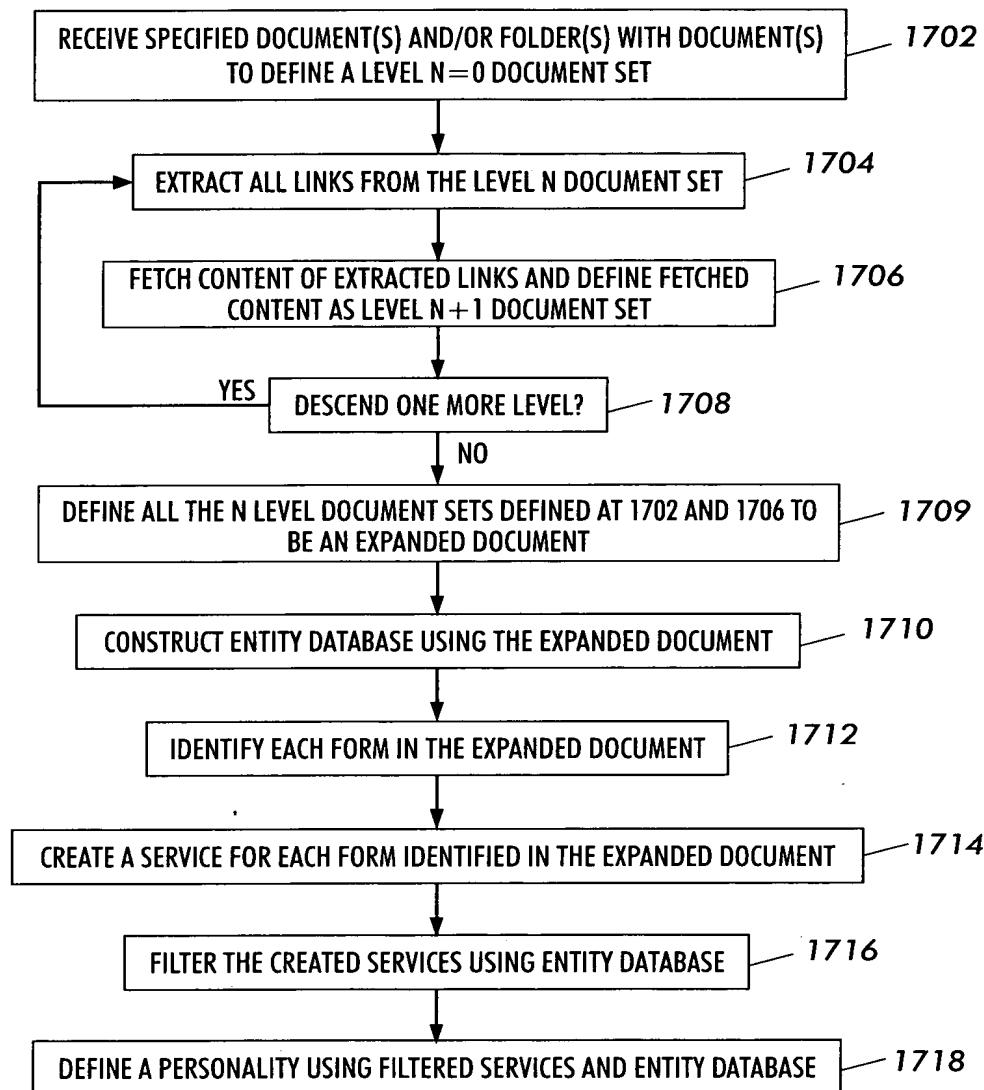
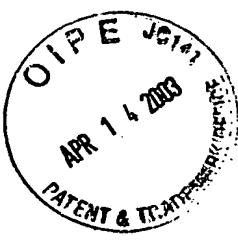


FIG. 17



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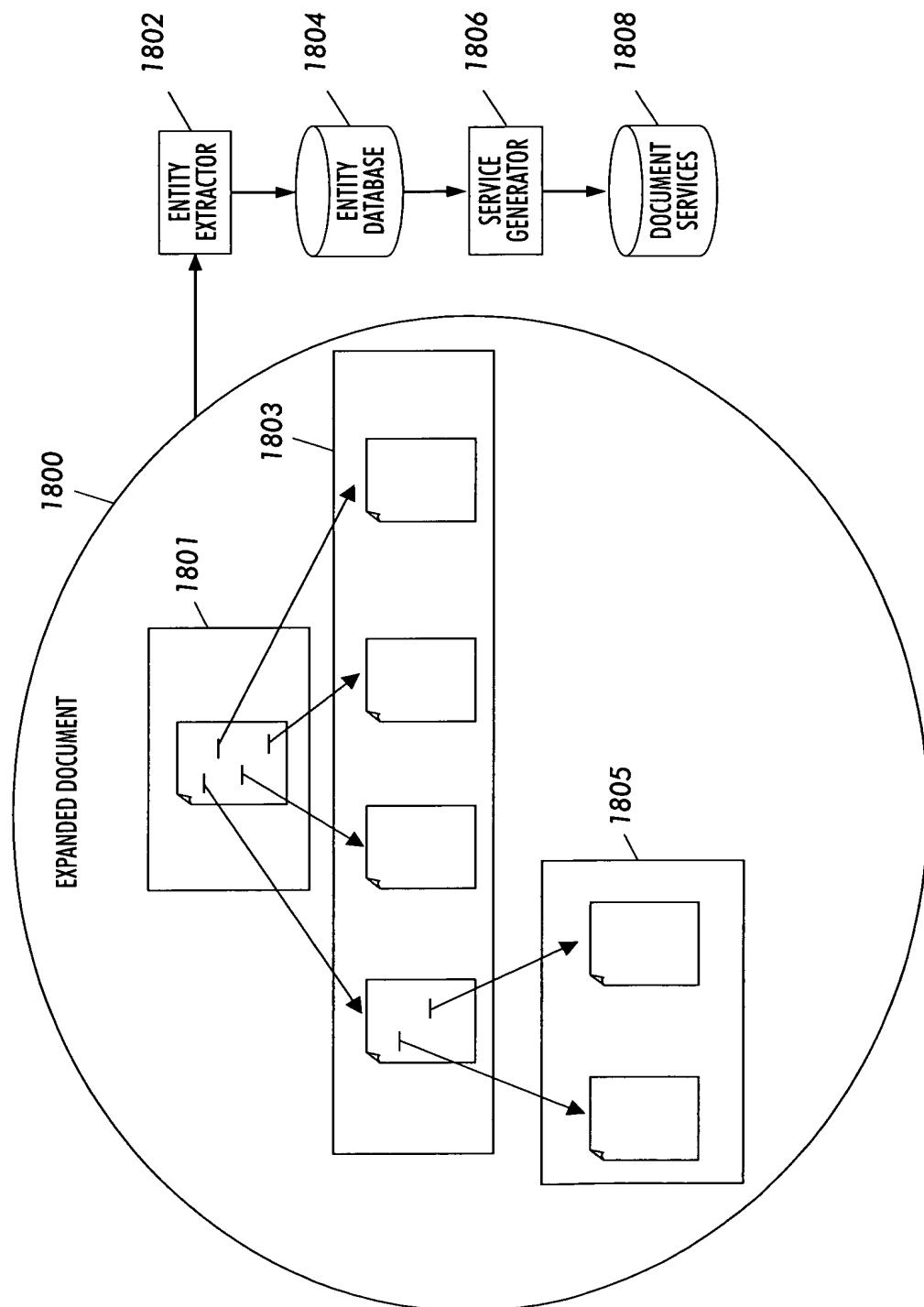


FIG. 18



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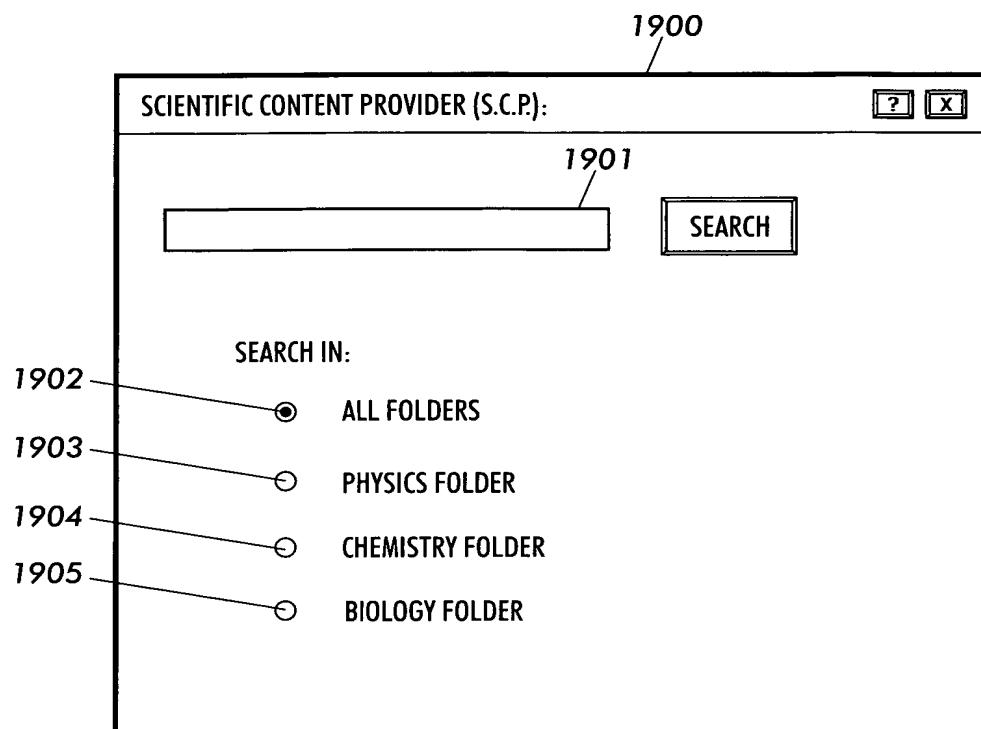
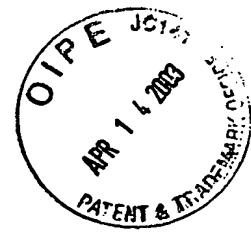


FIG. 19



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SCIENTIFIC SEARCH □ ▶						
SEL	NAME	ENTITY TYPE	ANNOTATE	DEPTH	PROVIDER	COST
<input checked="" type="checkbox"/>	ALL FOLDERS RESULT OF SCIENTIFIC CONTENT PROVIDER	STANDARD	ALWAYS	0	S. C. P.	FREE
<input type="checkbox"/>	PHYSICS RESULT OF SCIENTIFIC CONTENT PROVIDER	PHYSICS	ALWAYS	0	S. C. P.	FREE
<input type="checkbox"/>	CHEMISTRY RESULT OF SCIENTIFIC CONTENT PROVIDER	CHEMISTRY	ALWAYS	0	S. C. P.	FREE
<input type="checkbox"/>	BIOLOGY RESULT OF SCIENTIFIC CONTENT PROVIDER	BIOLOGY	ALWAYS	0	S. C. P.	FREE

2002
2004

FIG. 20

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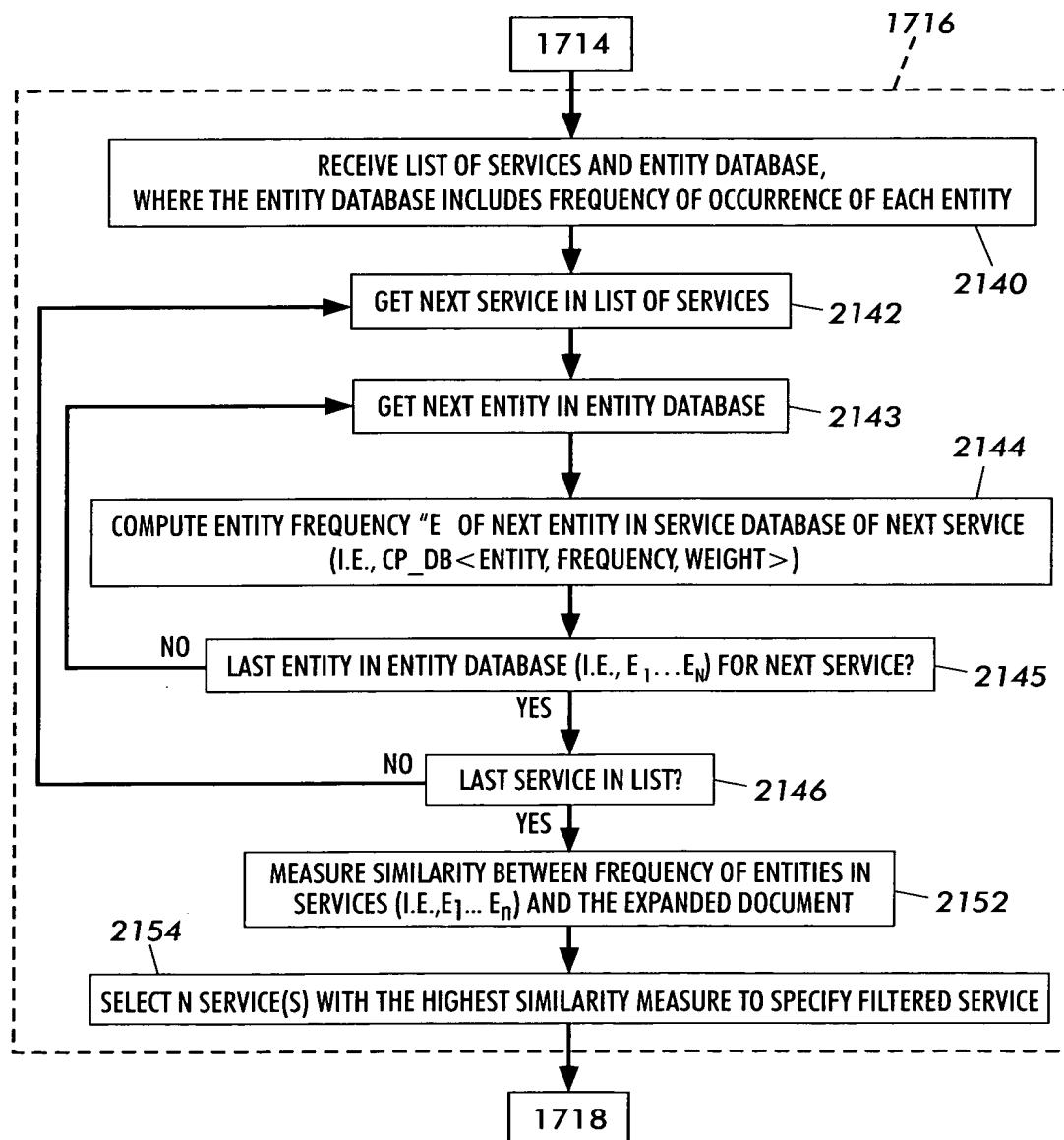


FIG. 21

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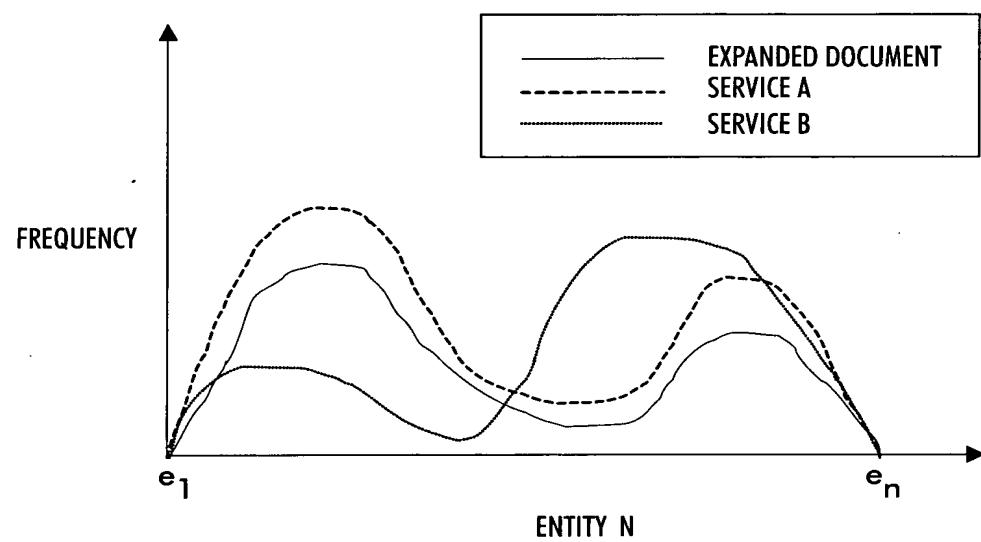


FIG. 22

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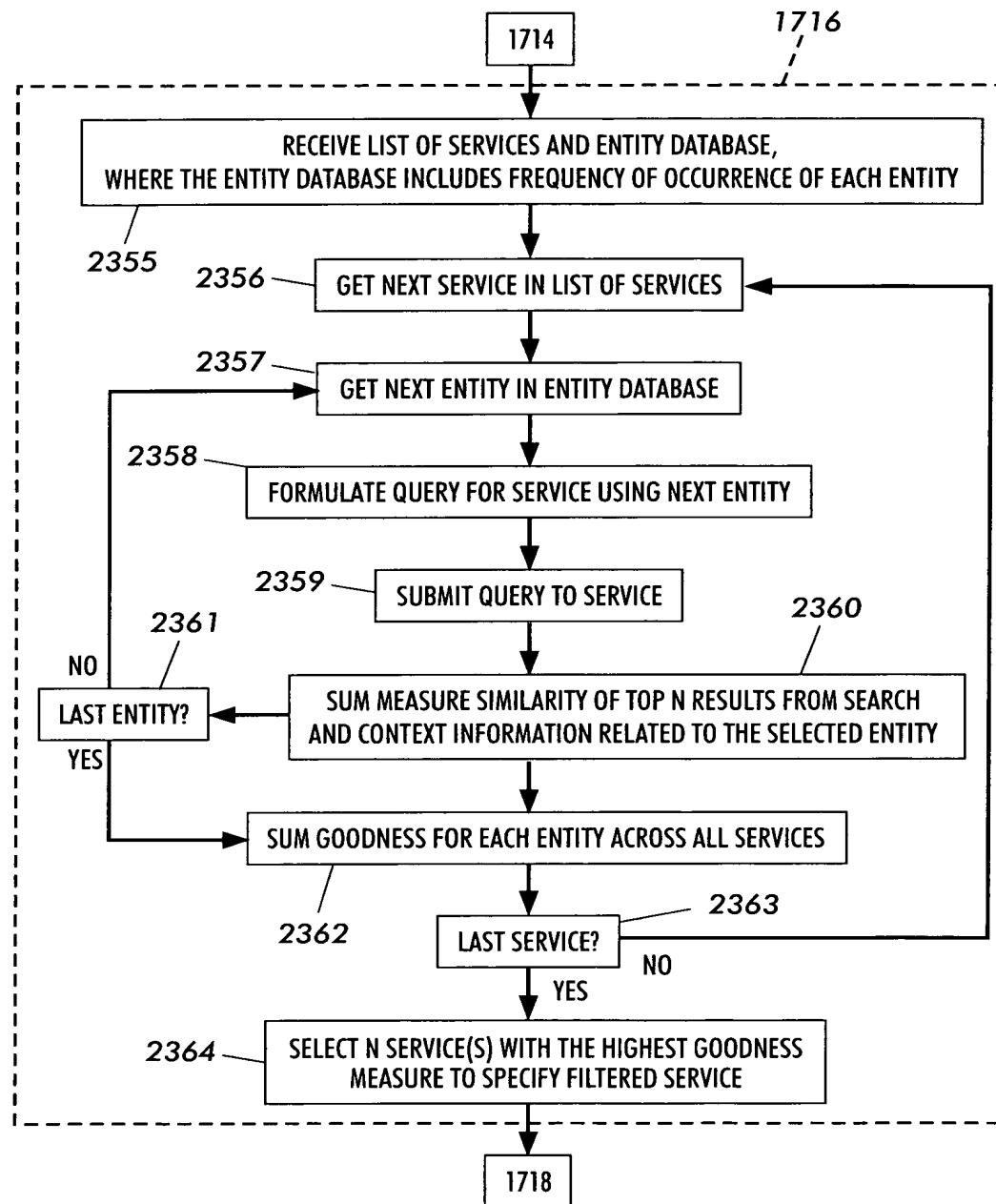
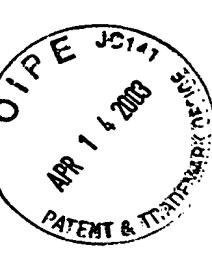


FIG. 23



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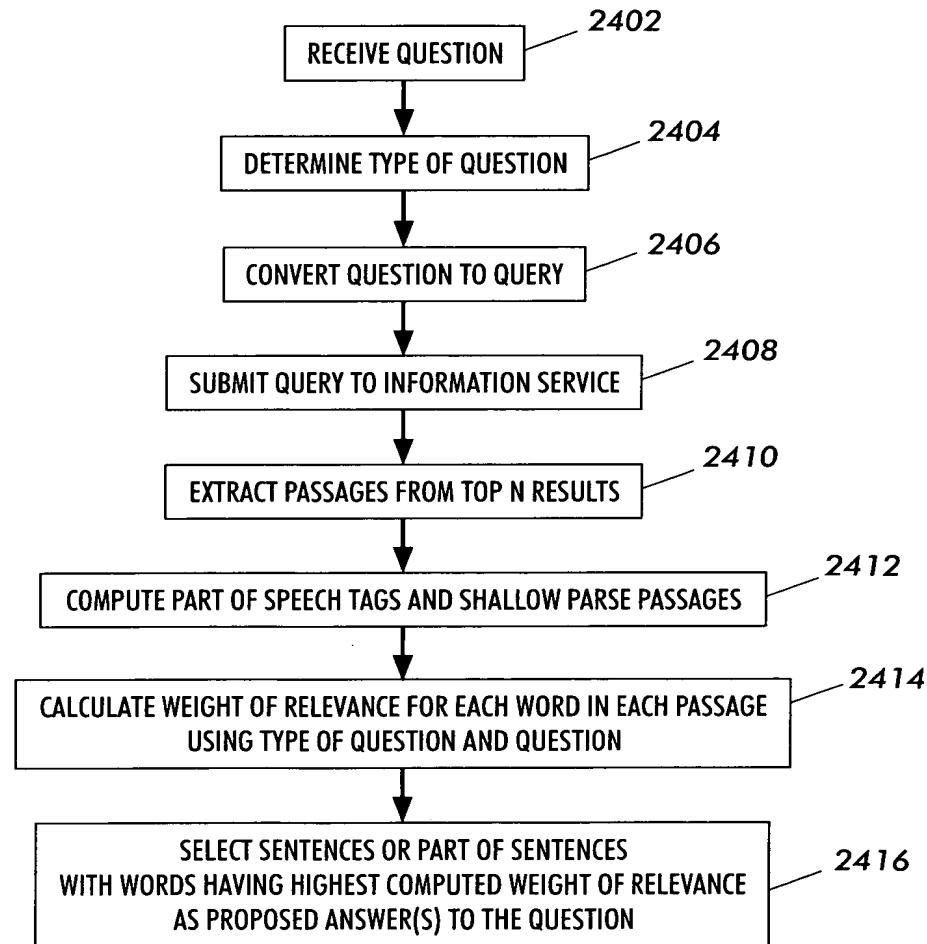
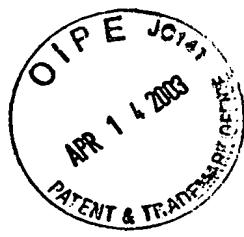


FIG. 24



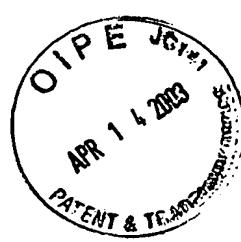
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E-LEARNING SERVICES ASSOCIATED WITH E-LEARNING PERSONALITY	
SEL	
2504	<input checked="" type="checkbox"/> LINK WORDS OR MULTIWORLD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR DEFINITIONS
2506	<input type="checkbox"/> LINK WORDS OR MULTIWORLD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR TRANSLATIONS
2508	<input type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A TUTORIAL CONCERNING EACH TEXT UNIT
2510	<input type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO AN EXPERT CONCERNING IDENTIFIED SUBJECTS
2512	<input type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO AN INTERACTIVE COURSE ABOUT IDENTIFIED SUBJECTS
2514	<input checked="" type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A LIST OF REAL WORLD CLASSES ABOUT IDENTIFIED SUBJECTS
2516	<input checked="" type="checkbox"/> LINK TEXT UNITS TO (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) LEARNING RESOURCES CONCERNING EACH TEXT UNITS

2502

FIG. 25



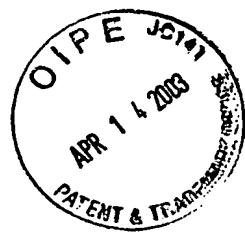
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2602

LANGUAGE LEARNING SERVICES ASSOCIATED WITH LANGUAGE LEARNING PERSONALITY	
SEL	SEL
2604	<input checked="" type="checkbox"/> LINK WORDS OR MULTWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR DEFINITIONS
2606	<input type="checkbox"/> LINK WORDS OR MULTWORD EXPRESSIONS FOUND IN THE DOCUMENT TO THEIR TRANSLATIONS
2608	<input type="checkbox"/> LINK EACH SENTENCE, OR PHRASE, TO A GRAMMATICAL DESCRIPTION OF THE STRUCTURE OF THE SENTENCE OR PHRASE
2610	<input type="checkbox"/> LINK EACH WORD, MULTWORD EXPRESSION, PHRASE OR SENTENCE TO OTHER INSTANCES OF THE SAME IN DIFFERENT CONTEXTS FROM THE PRESENT
2612	<input type="checkbox"/> LINK EACH WORD, MULTWORD EXPRESSION, PHRASE OR SENTENCE TO ONE OR MORE INTERACTIVE GRAMMAR EXERCISES CONCERNING THAT ELEMENT
2614	<input checked="" type="checkbox"/> LINK EACH TEXT UNIT (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) TO A LIST OF REAL WORLD CLASSES ABOUT IDENTIFIED LANGUAGE
2616	<input checked="" type="checkbox"/> LINK TEXT UNITS TO (I.E., DOCUMENT, PARAGRAPH, PHRASE, WORD) LANGUAGE LEARNING RESOURCES CONCERNING EACH TEXT UNITS

FIG. 26



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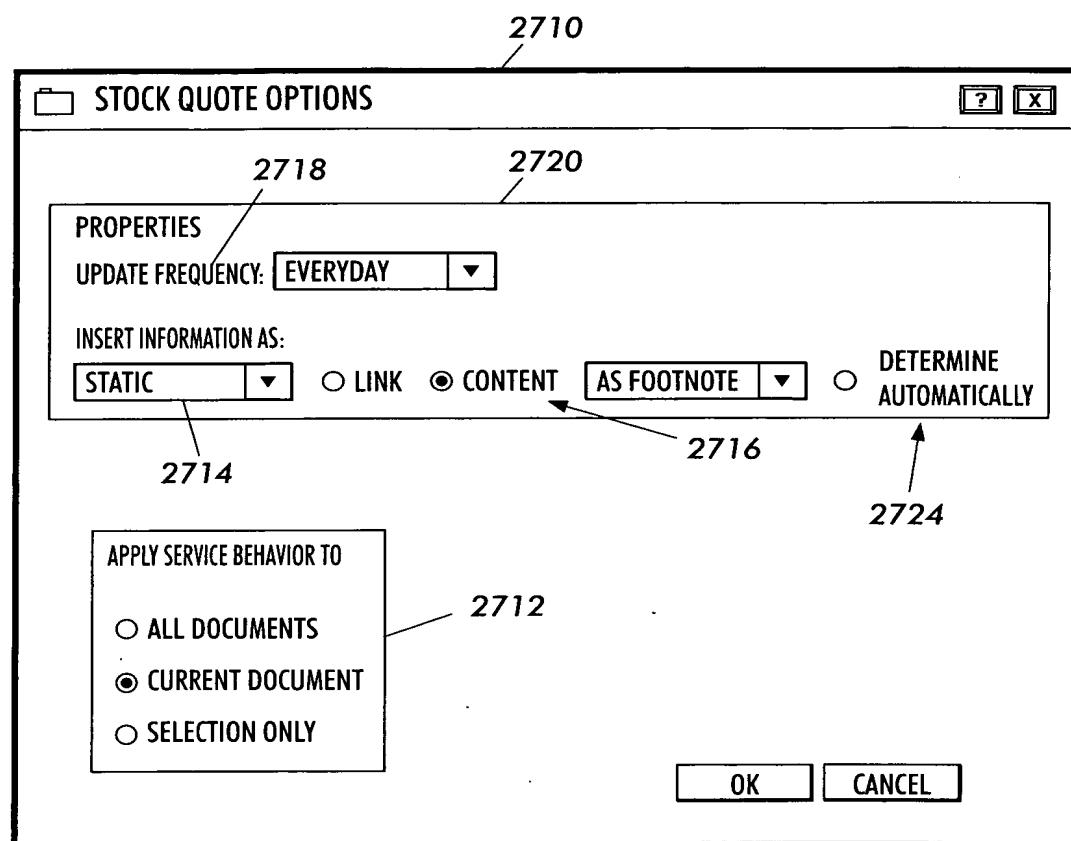
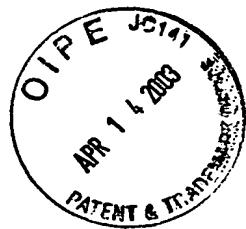


FIG. 27



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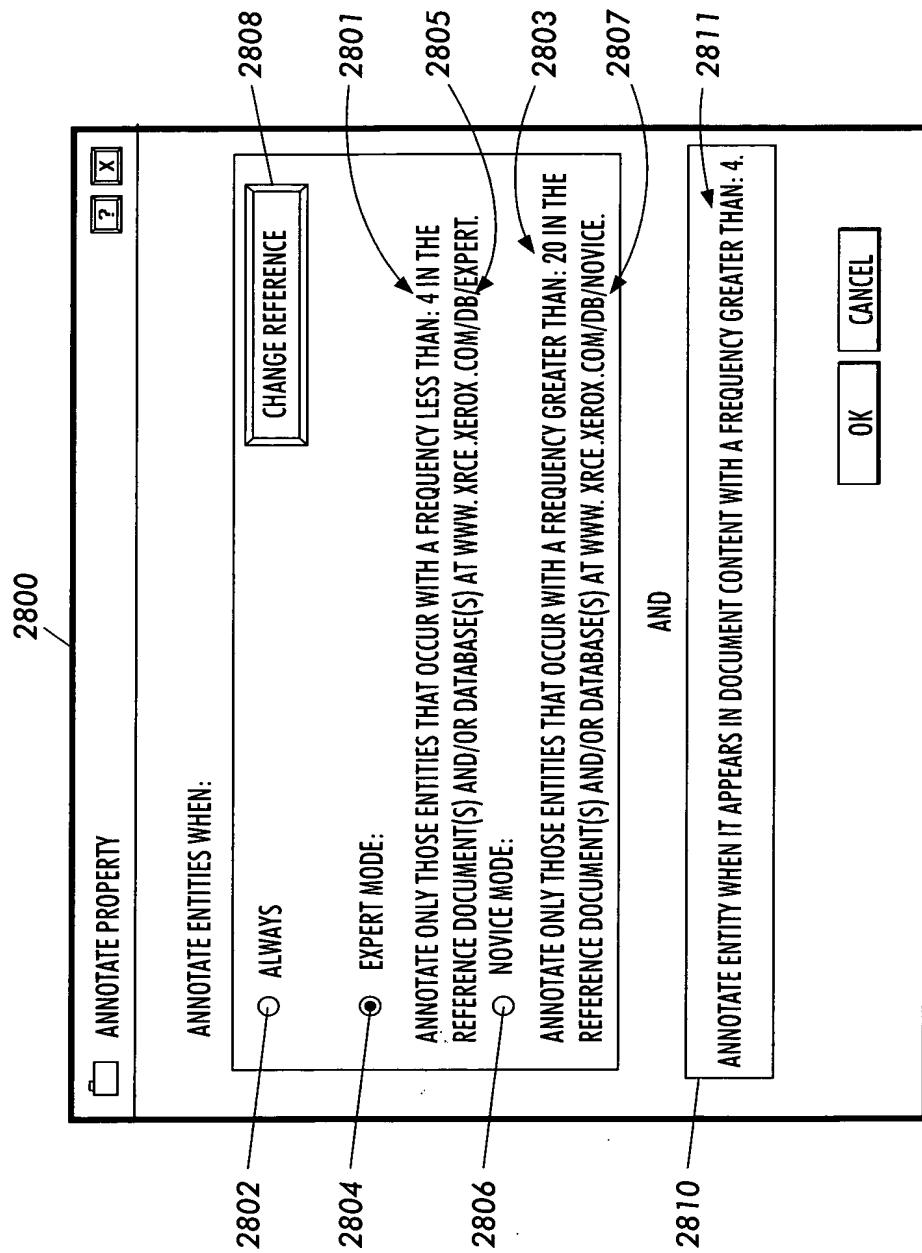


FIG. 28

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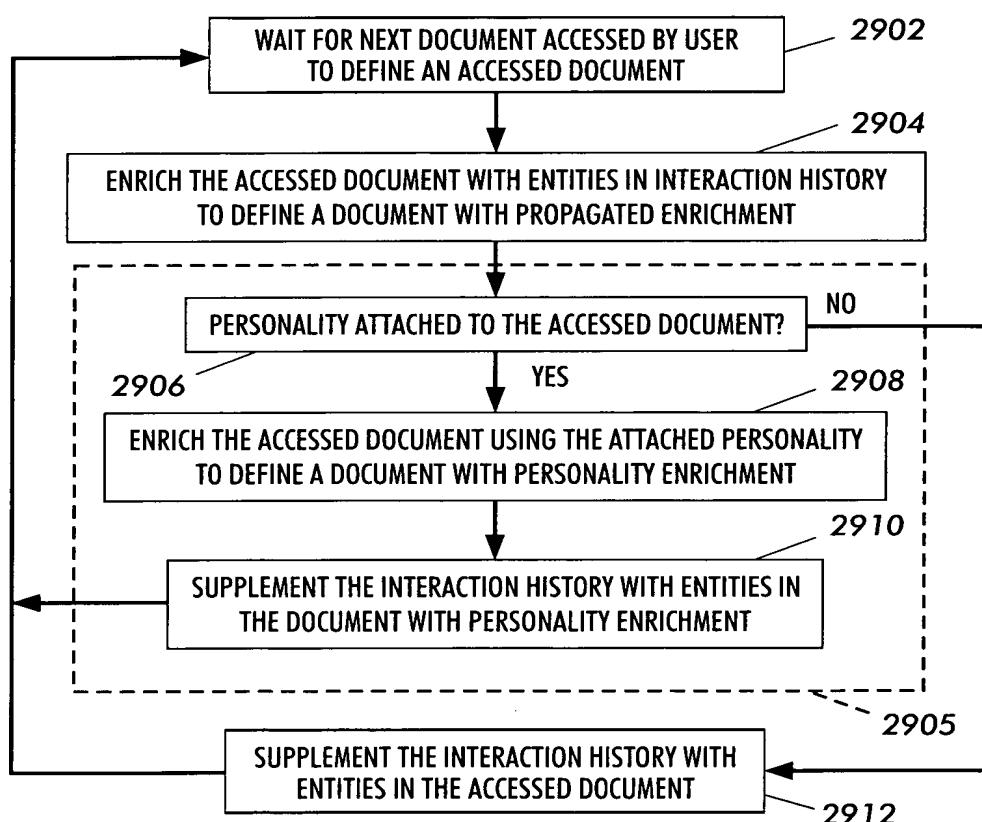


FIG. 29

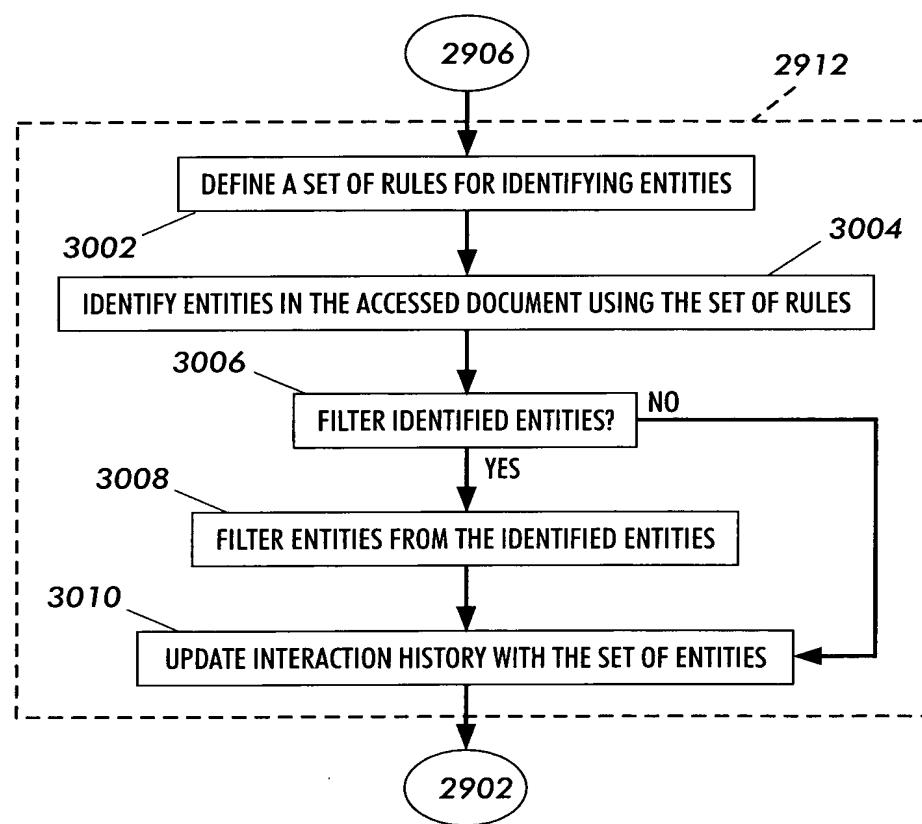


FIG. 30

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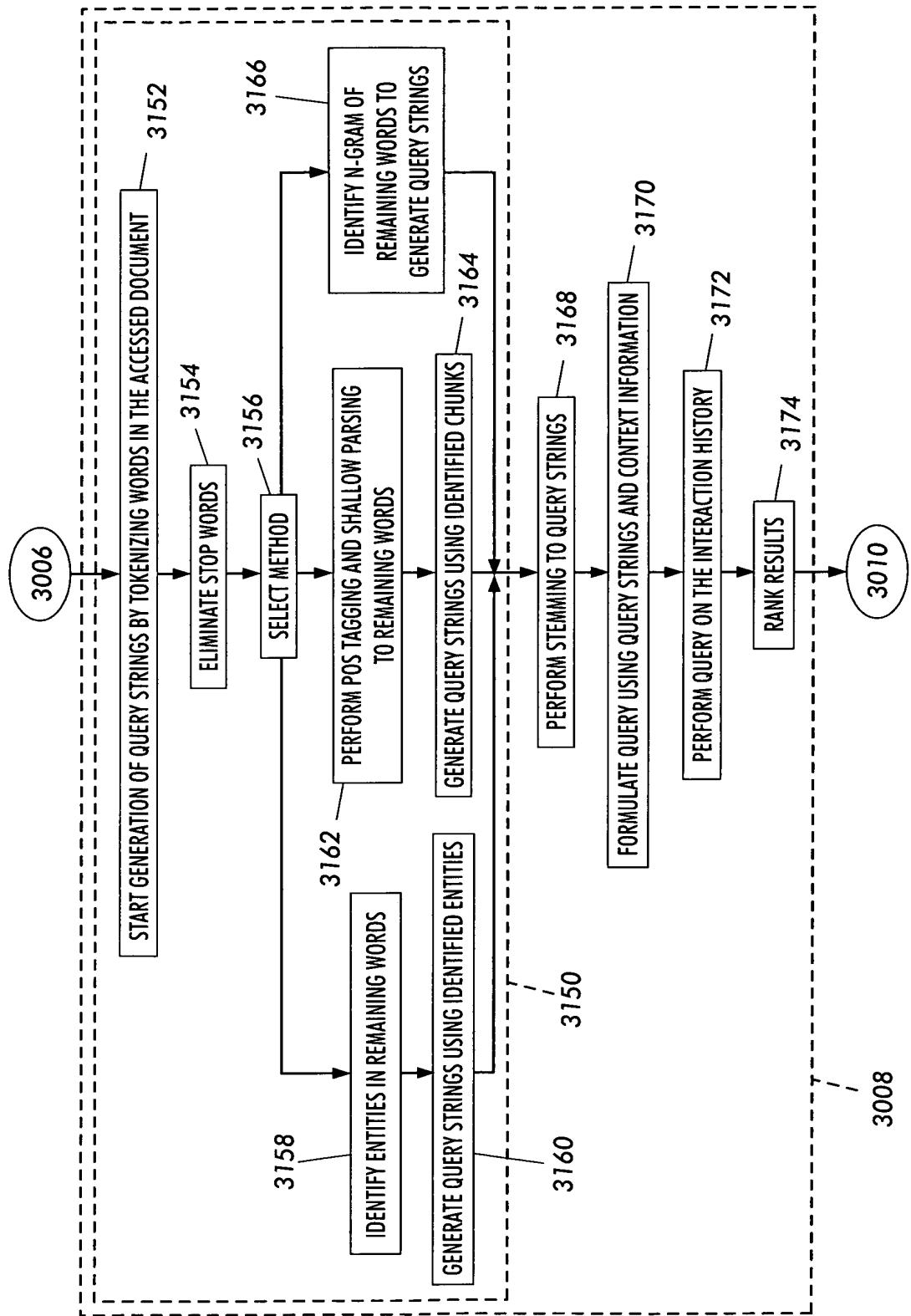
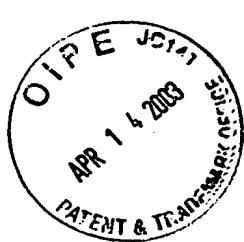


FIG. 31



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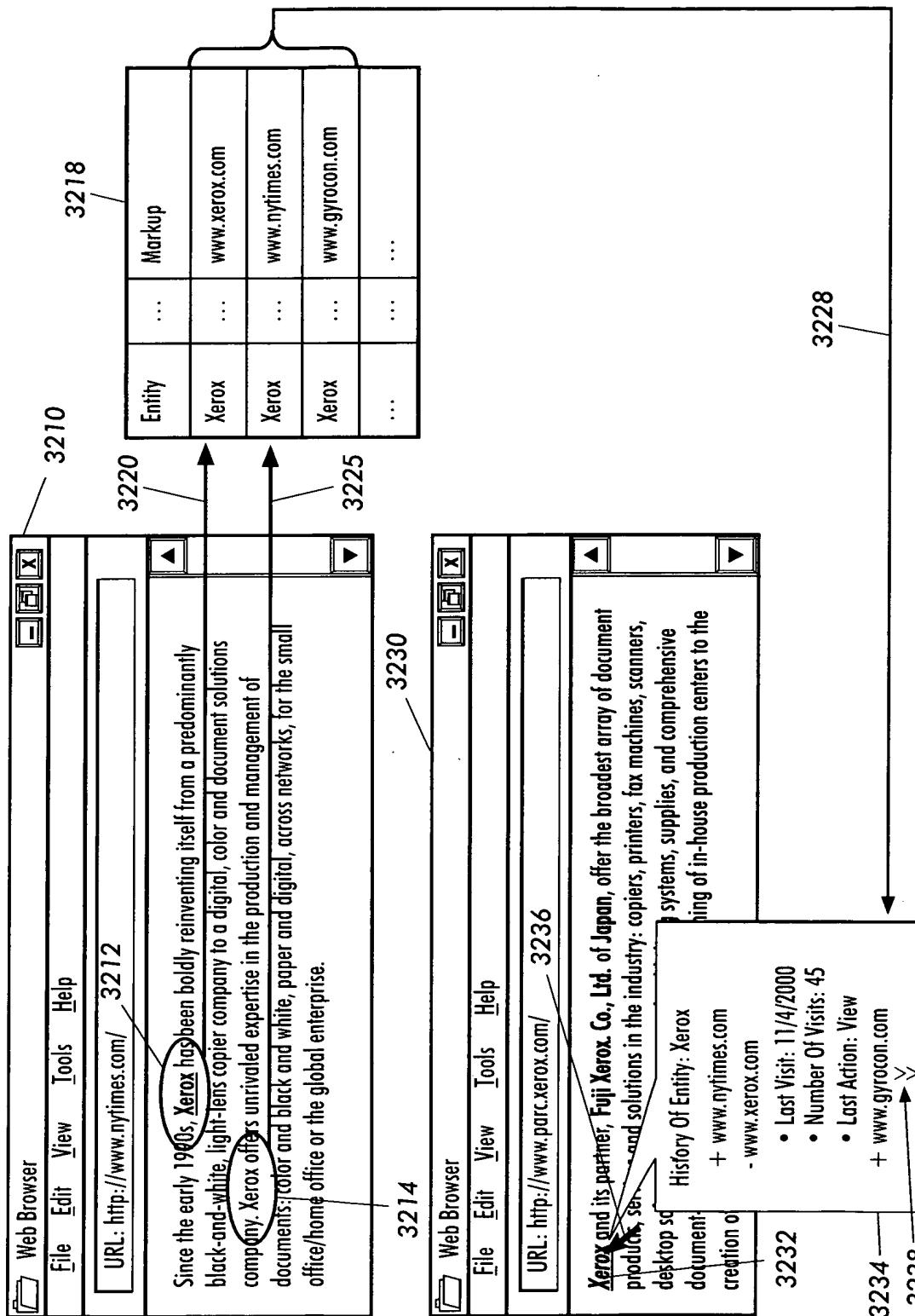
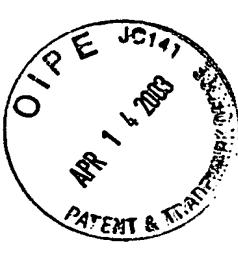


FIG. 32



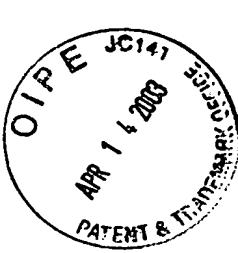
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3218

ENTITY	ENTITY TYPE	VISITS	LAST VISIT	ACTION LIST	DMOZ CATEGORY	LOCATION	POS	MARKUP
XEROX	BUSINESS	45	11/4/2000	VIEW(13), PRINT(2)	BUSINESS	40	NOUN	WWW.XEROX.COM
XEROX	BUSINESS	1	5/1/2001	VIEW(1)	FINANCE	689	NOUN	WWW.NYTIES.COM
XEROX	BUSINESS	4	2/22/2001	EMAIL(1), VIEW(3)	COMPUTER	343	NOUN	WWW.GYROCON.COM
...

FIG. 33



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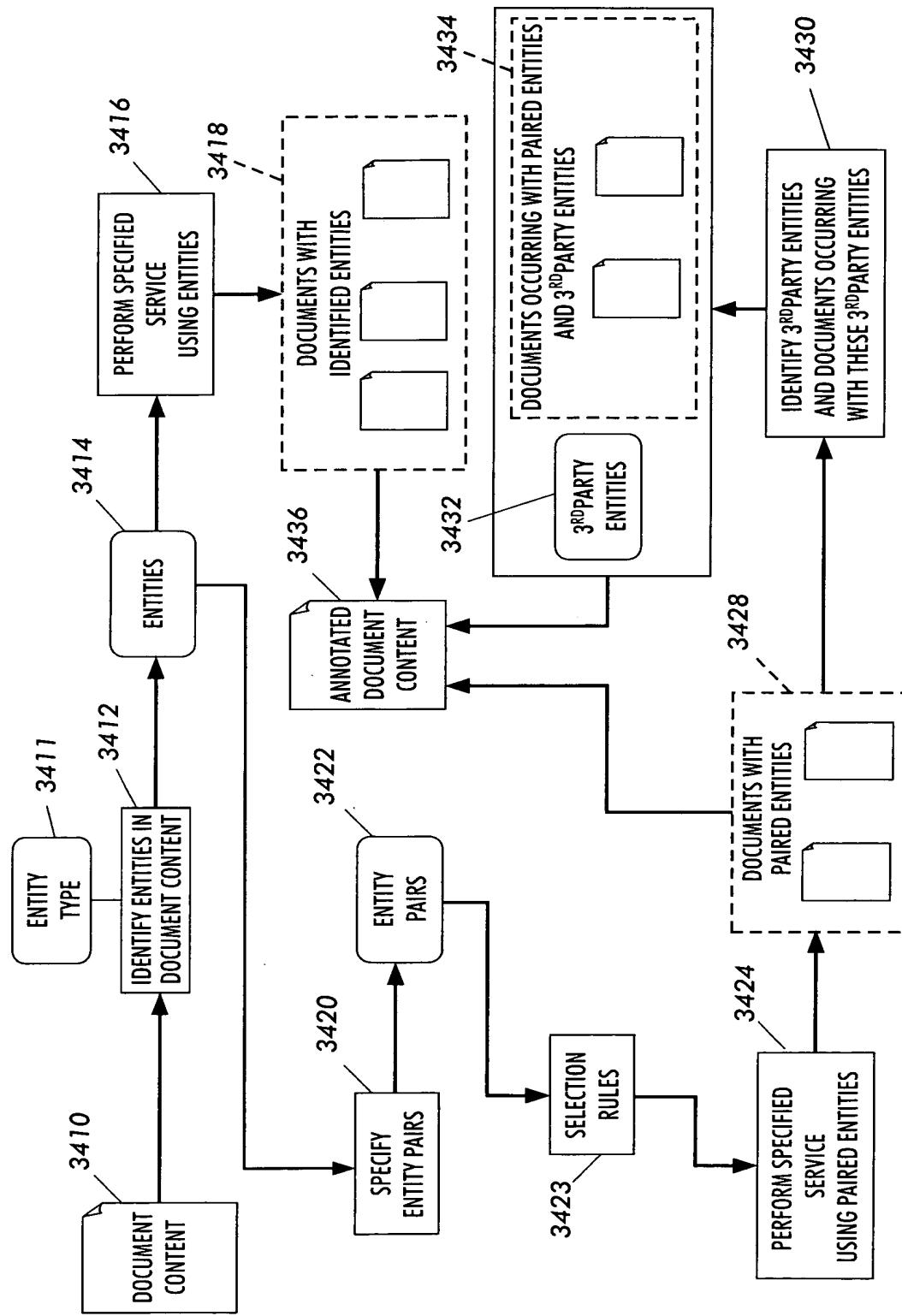


FIG. 34

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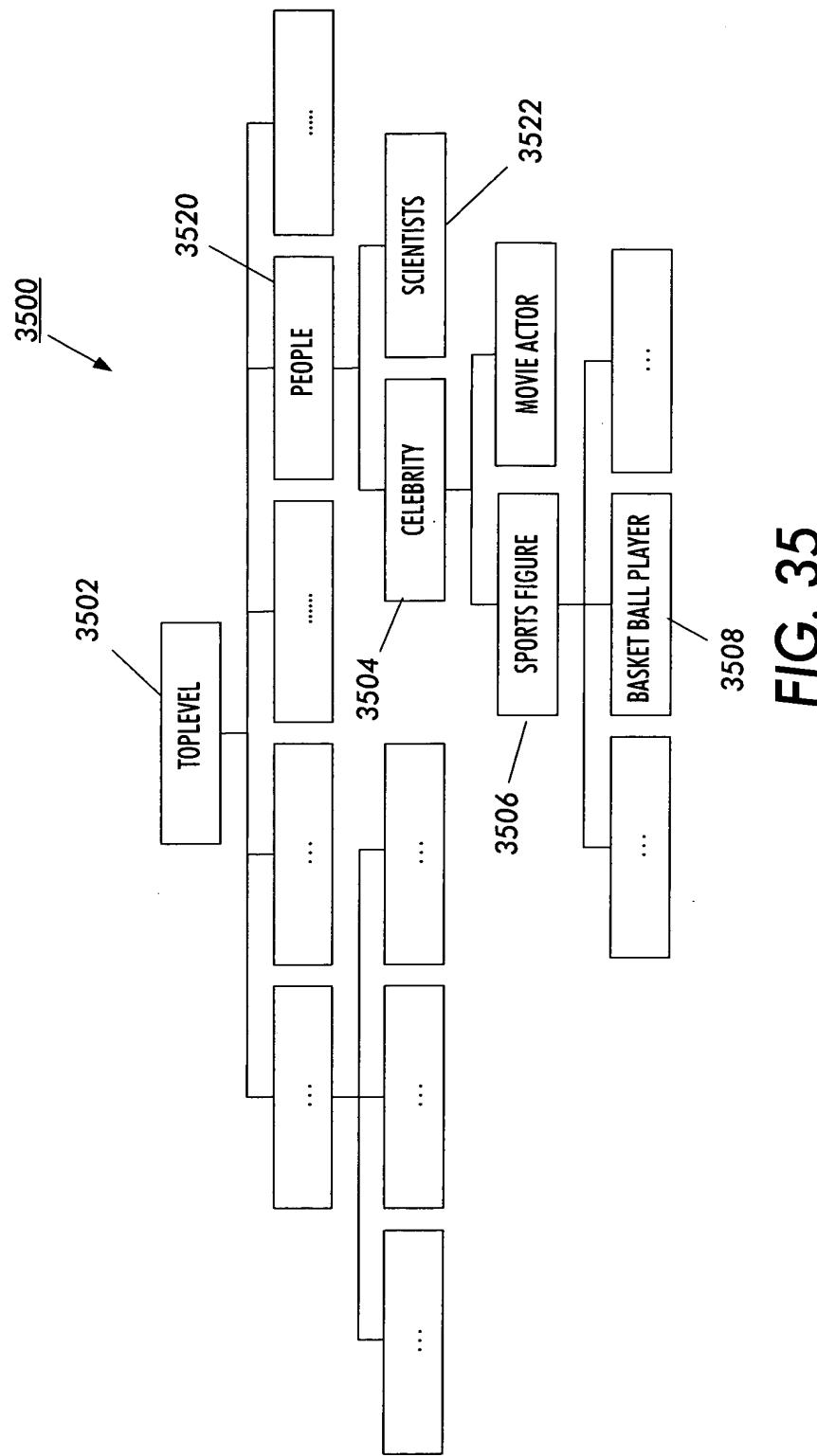


FIG. 35

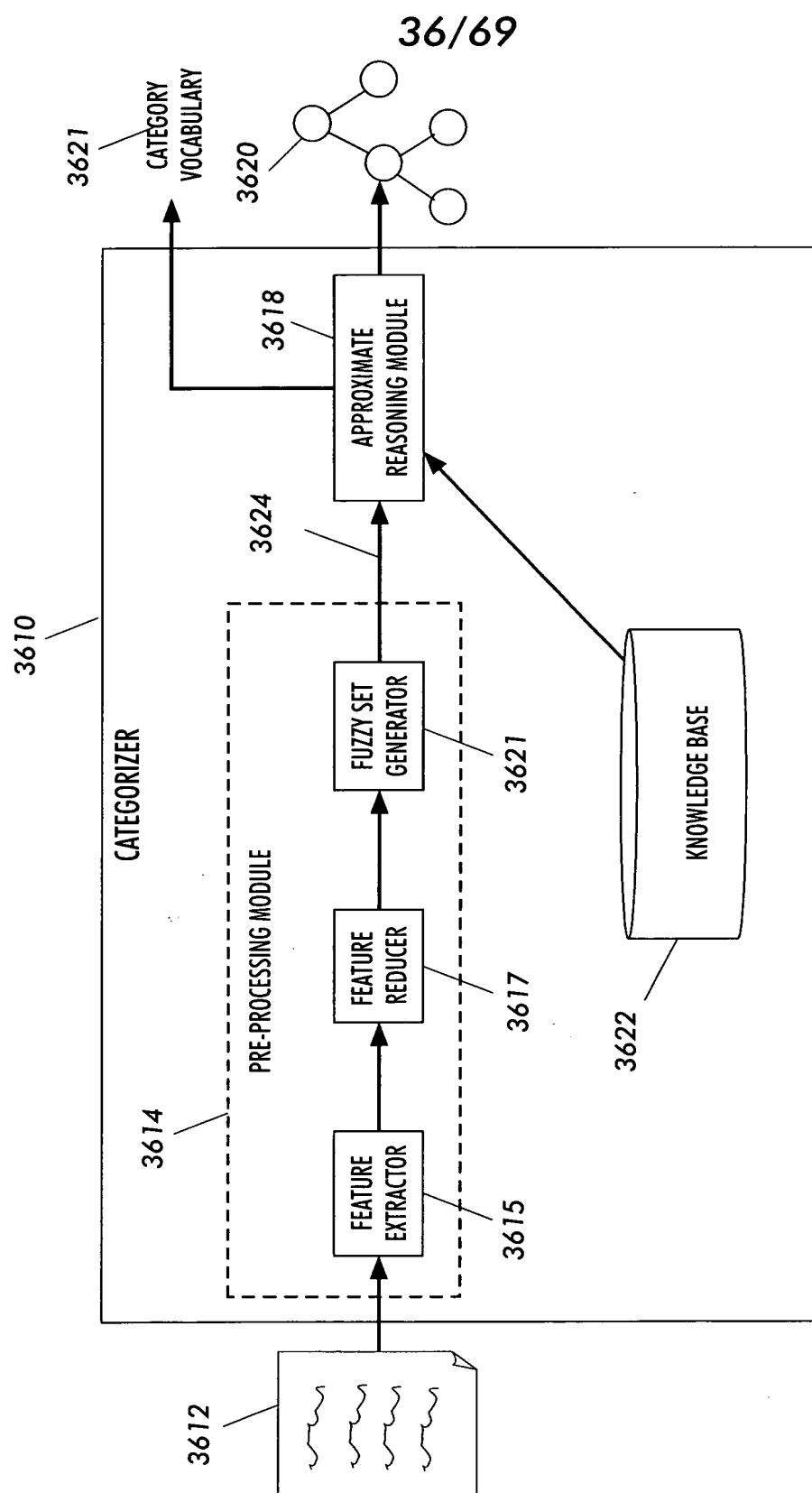
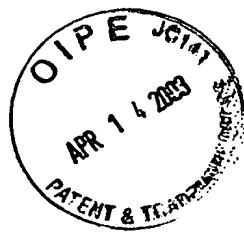


FIG. 36



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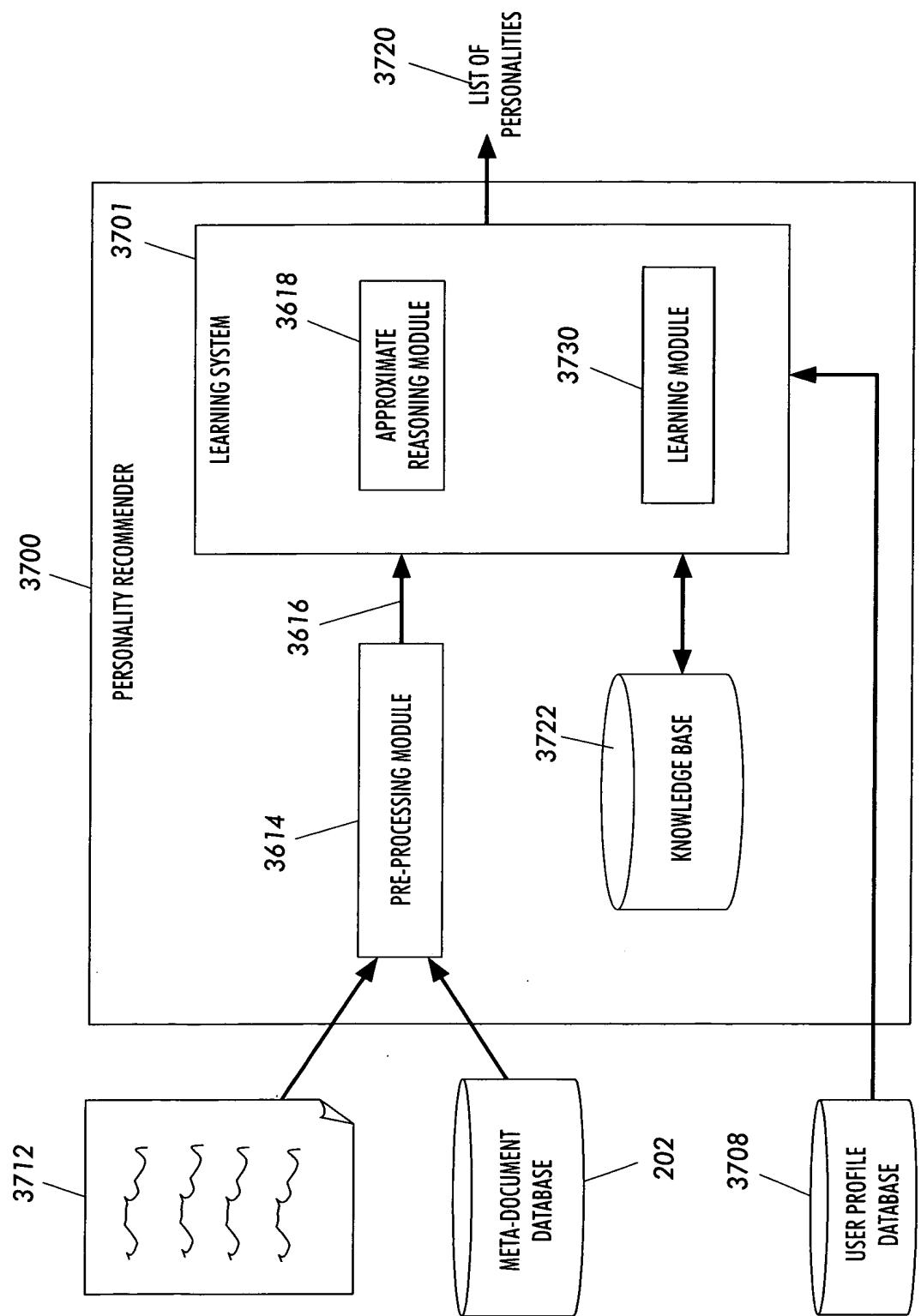


FIG. 37

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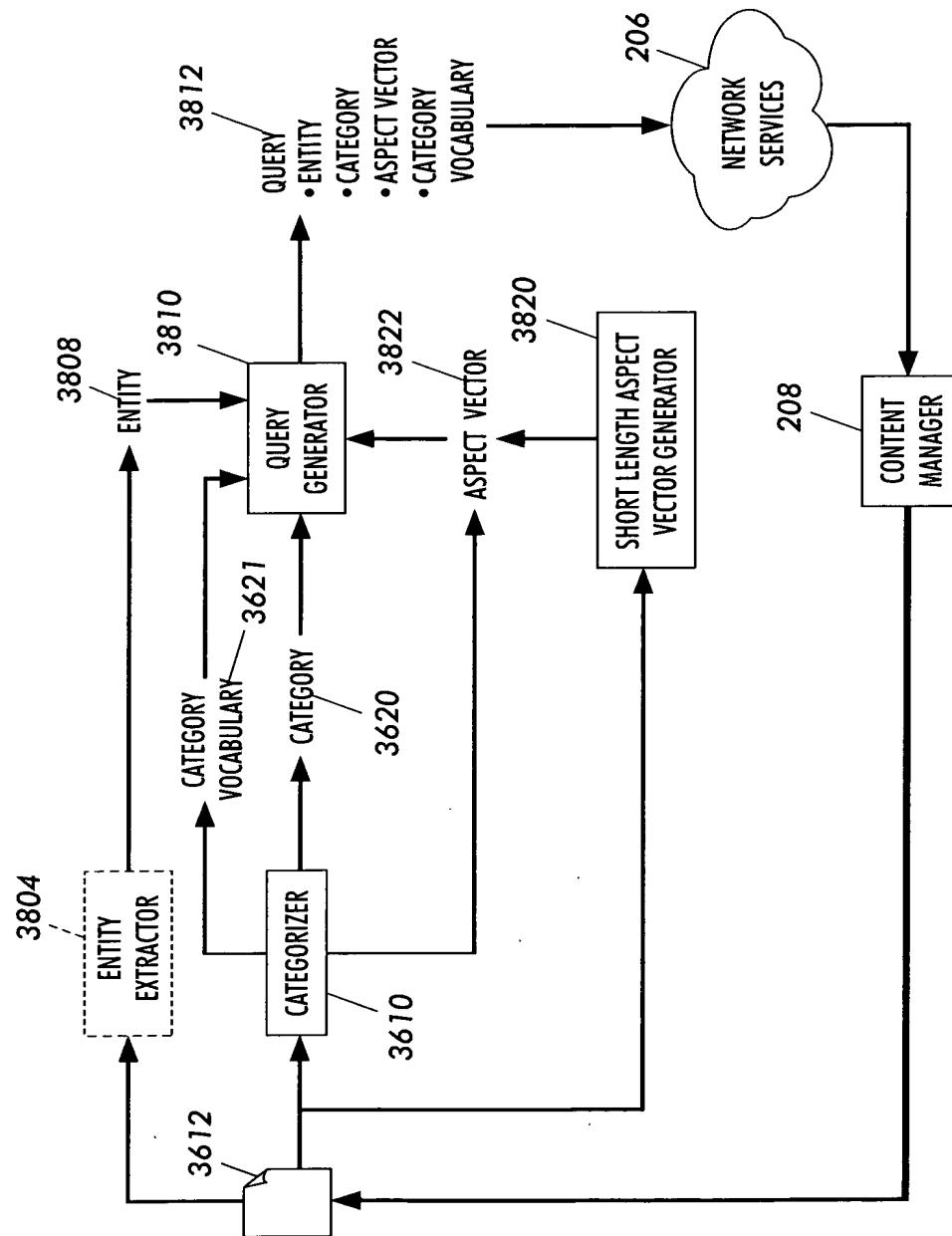
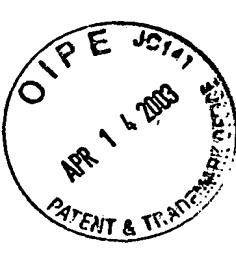


FIG. 38



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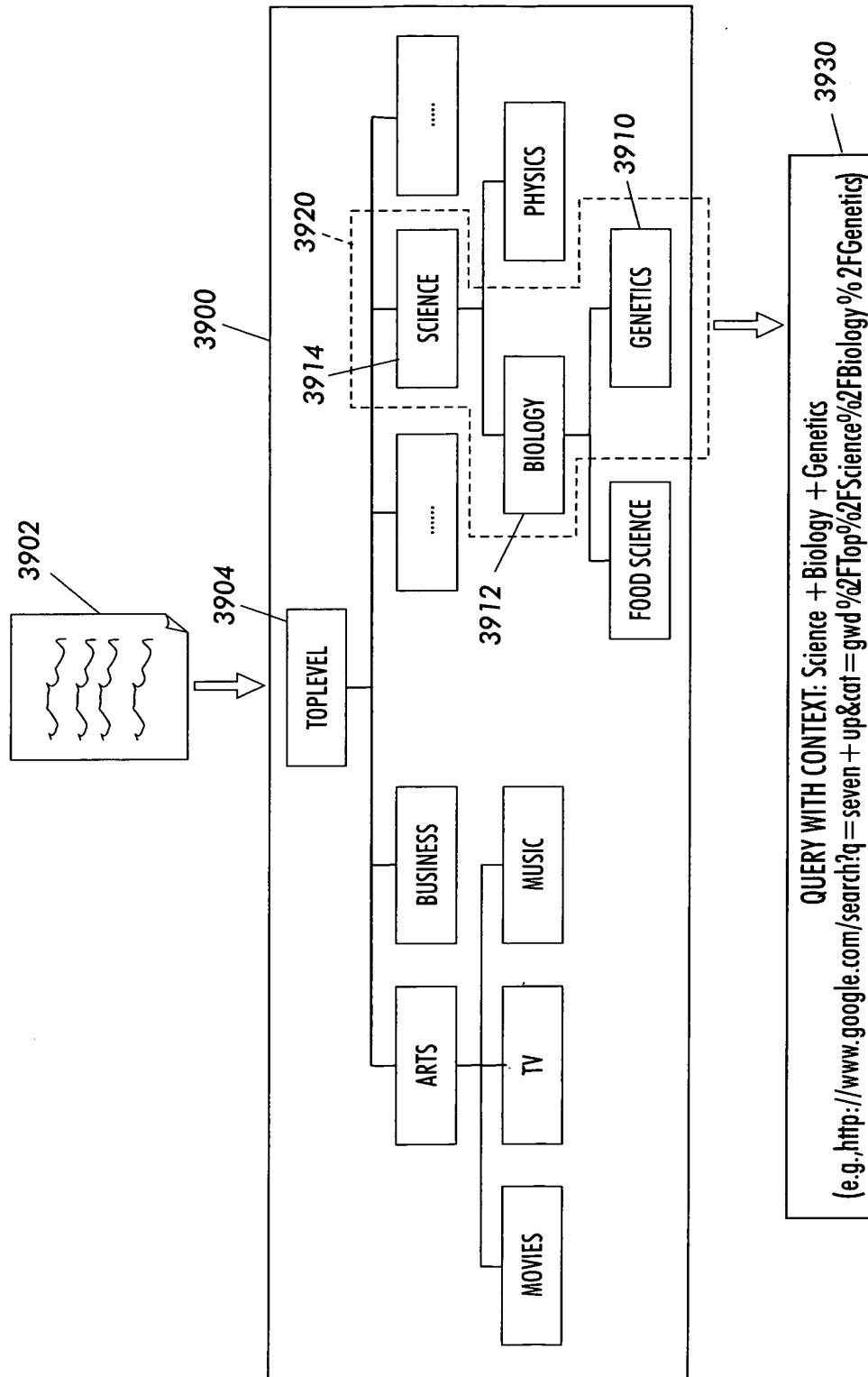
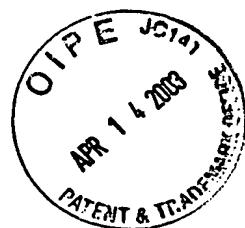


FIG. 39



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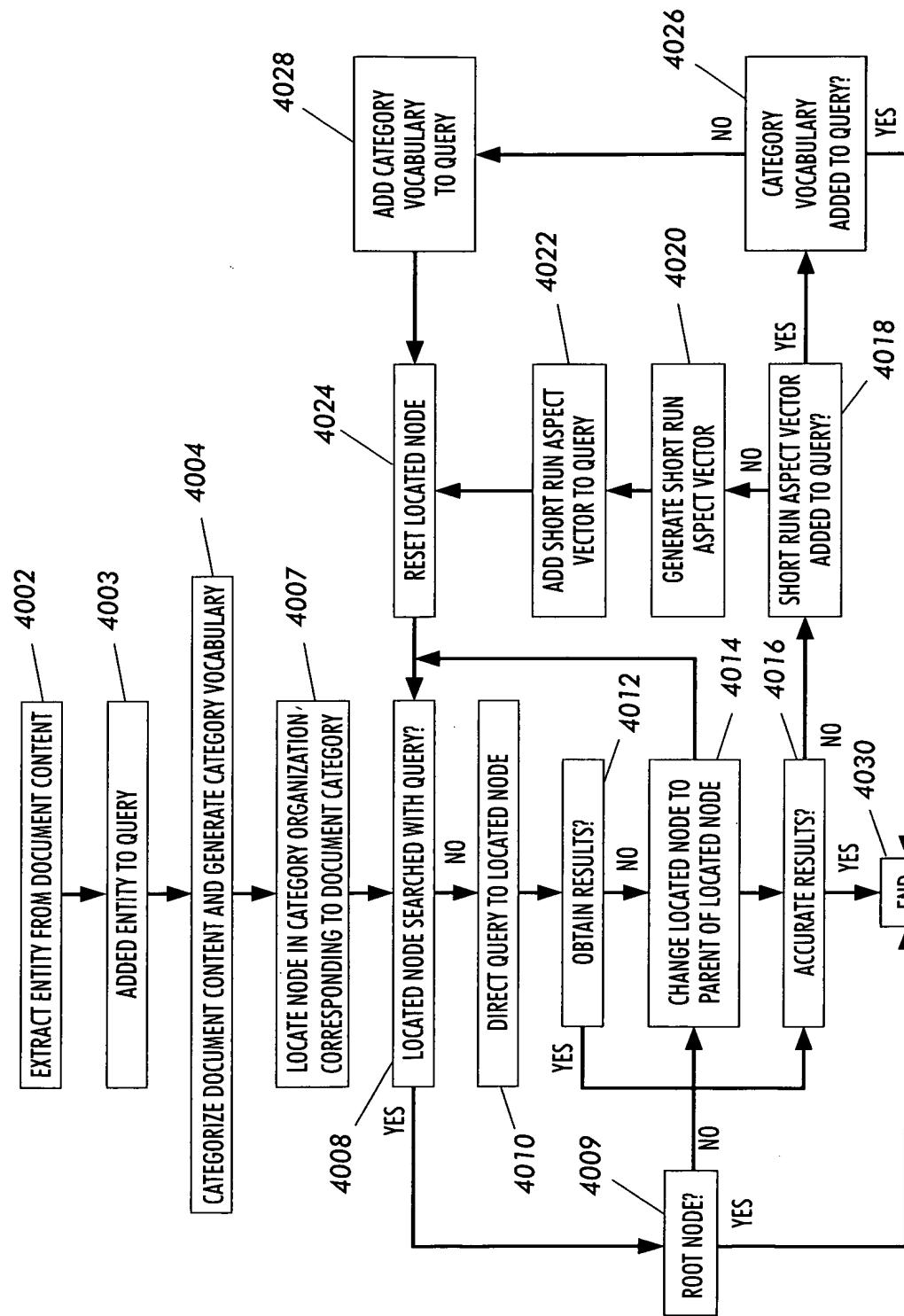


FIG. 40

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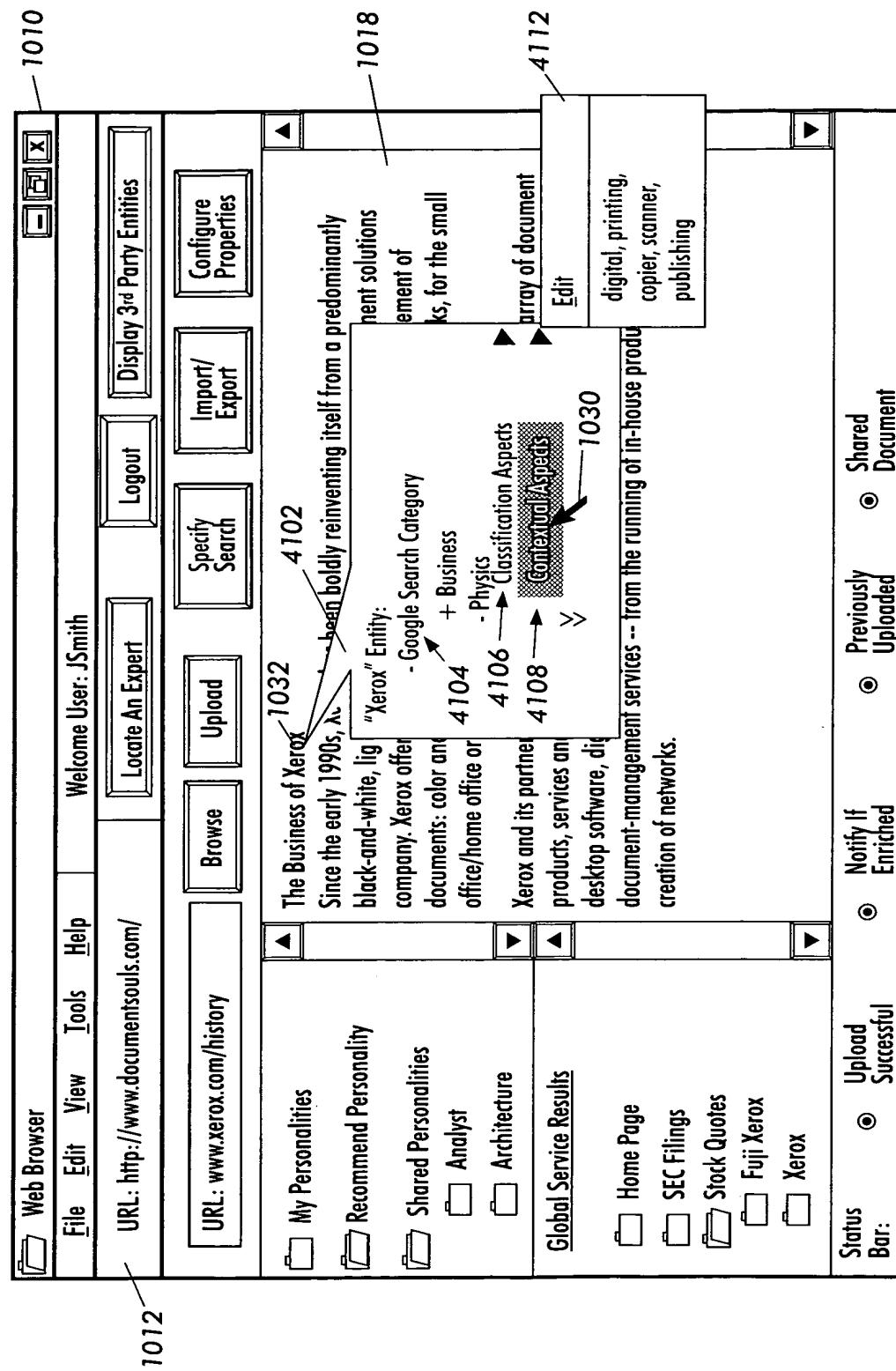


FIG. 41

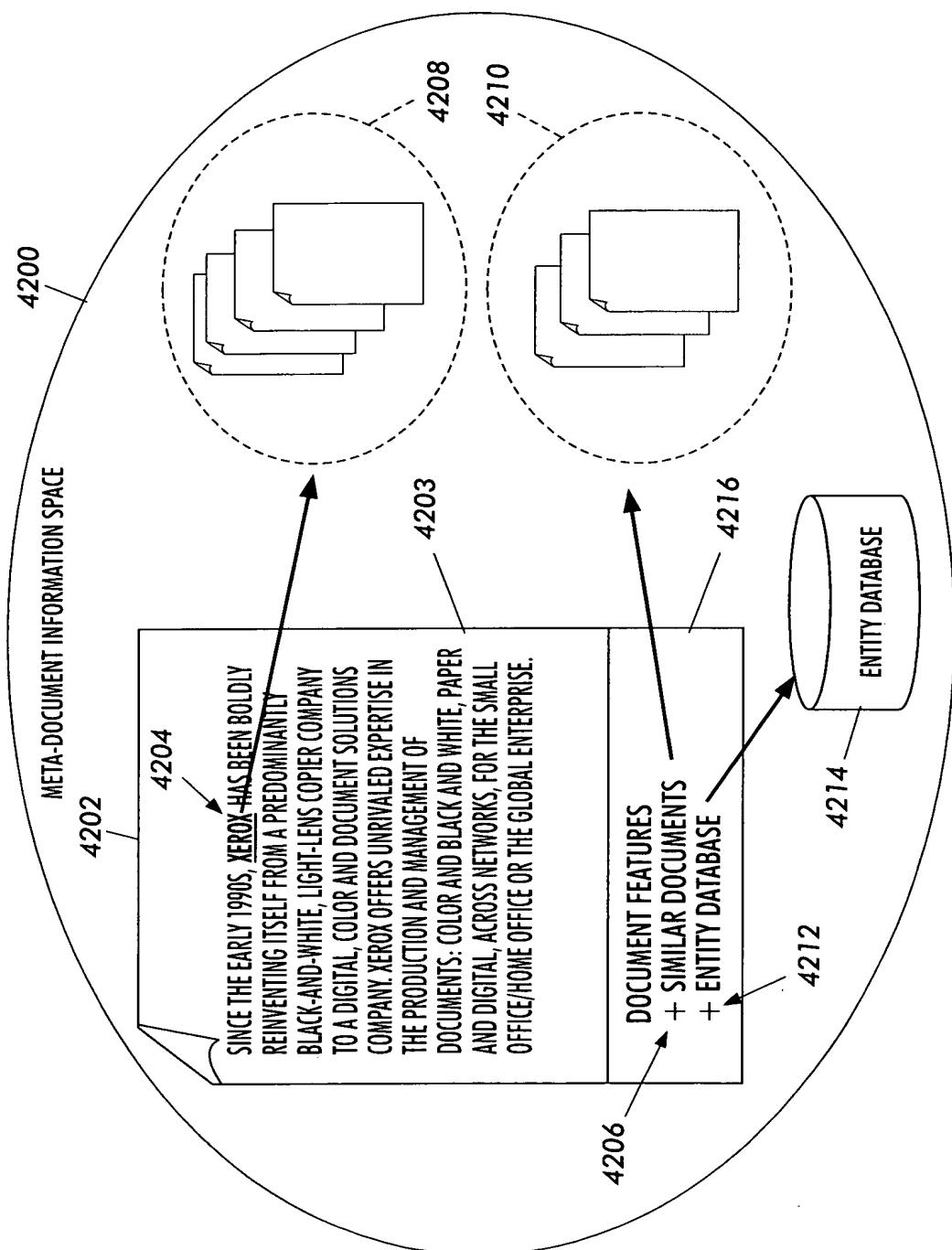


FIG. 42

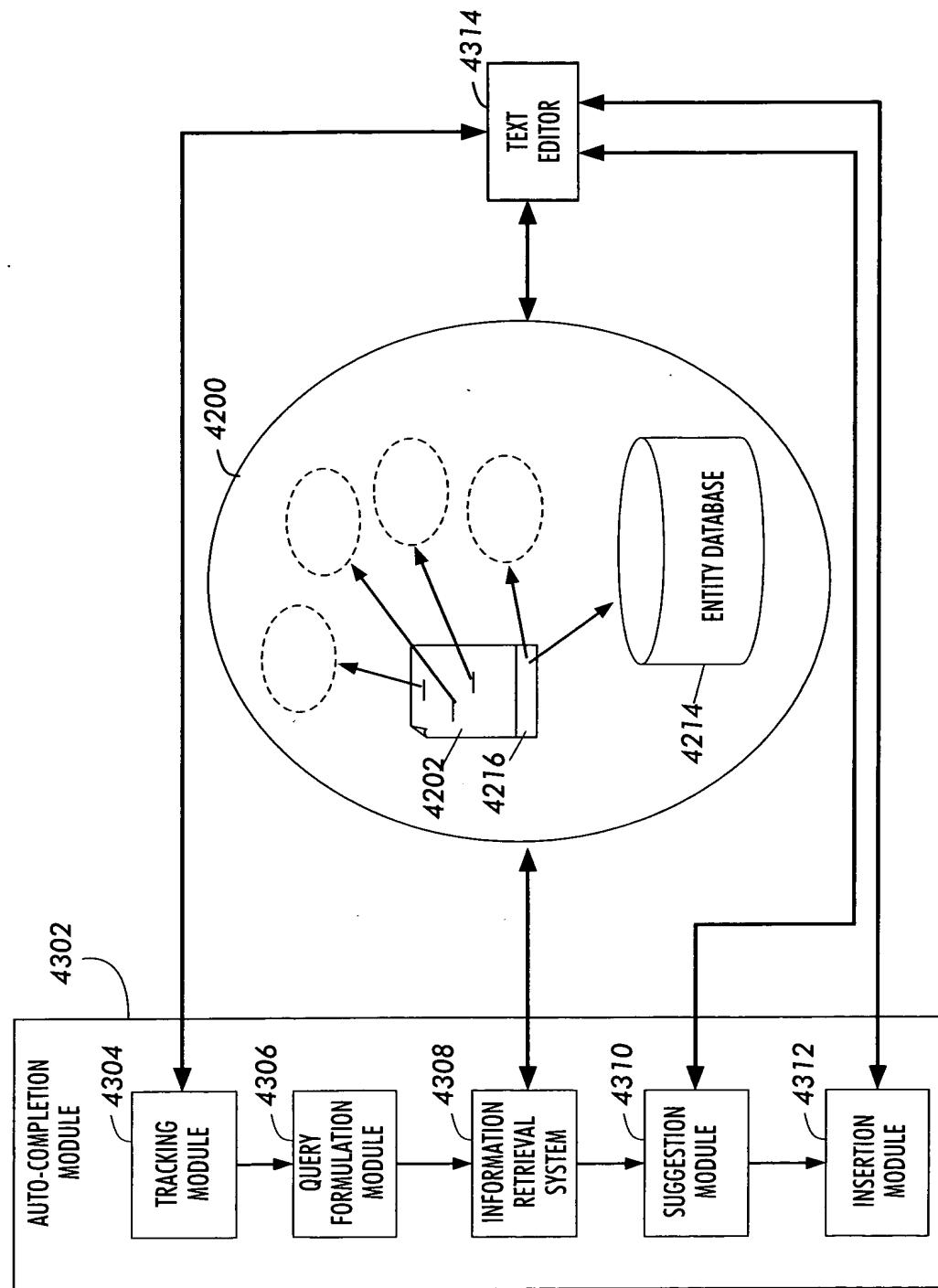
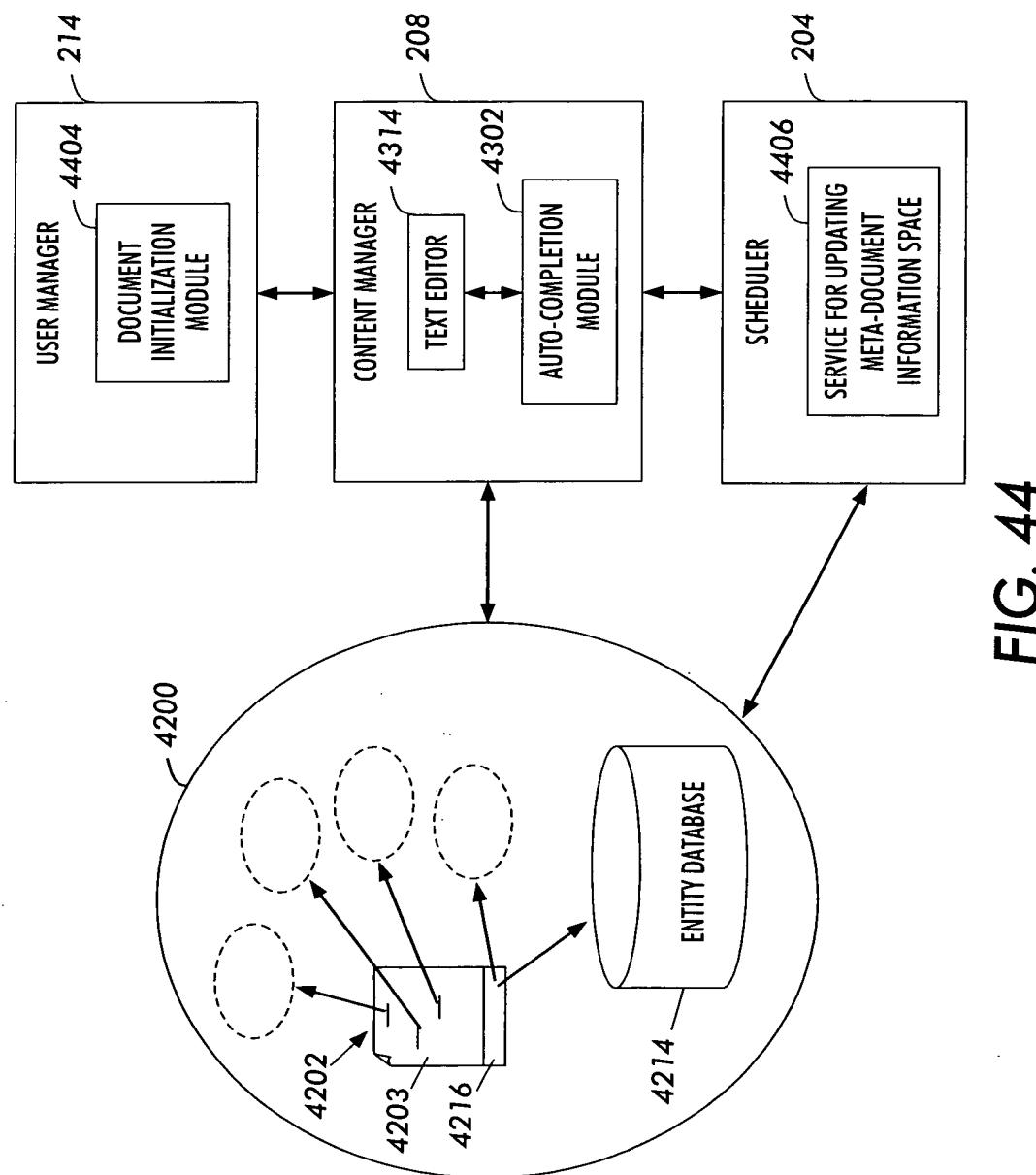


FIG. 43



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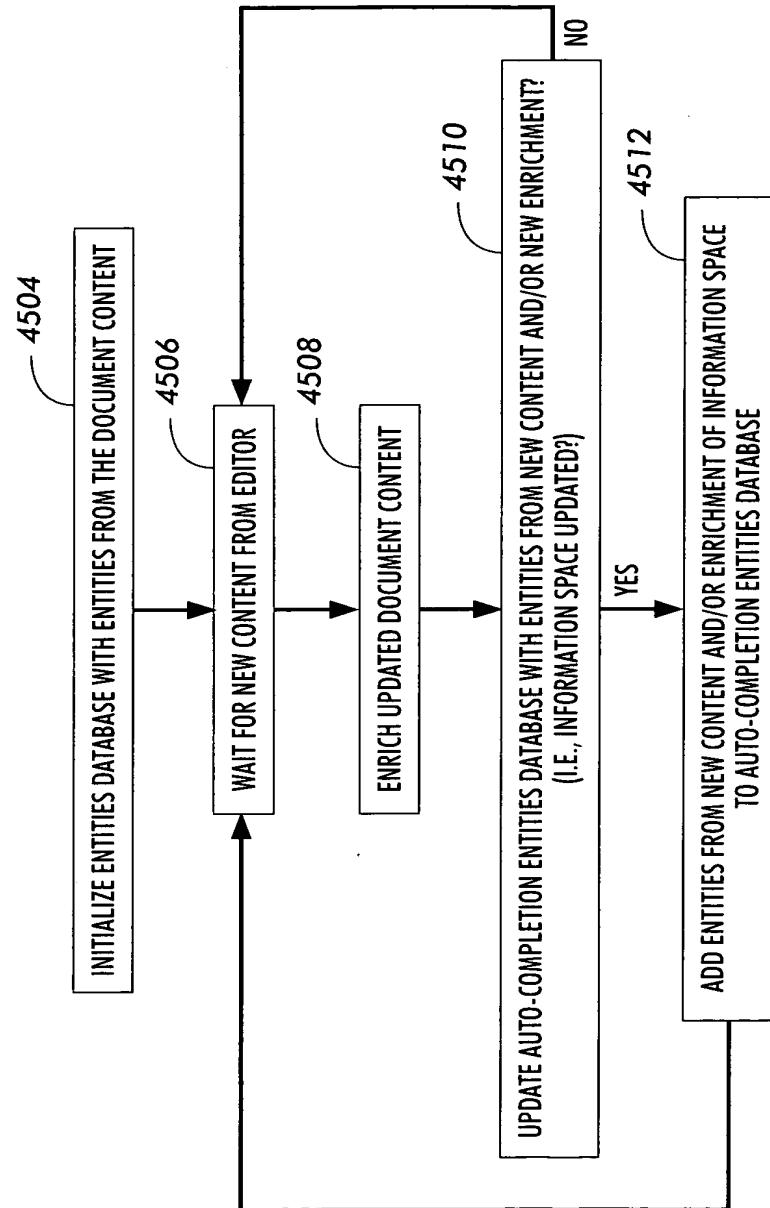


FIG. 45

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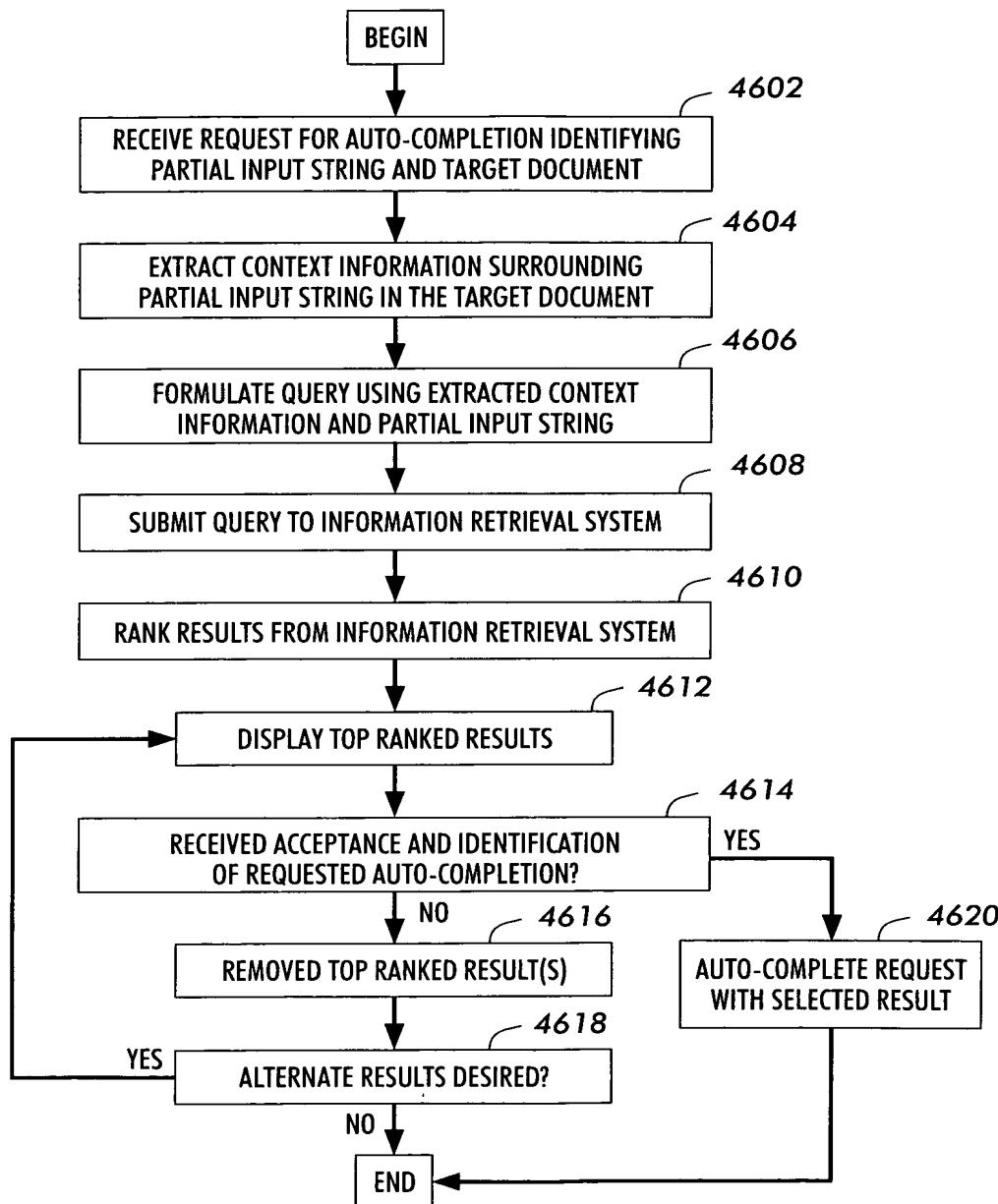
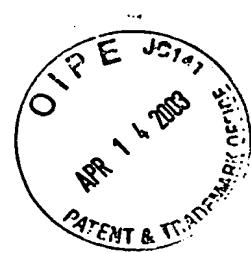


FIG. 46



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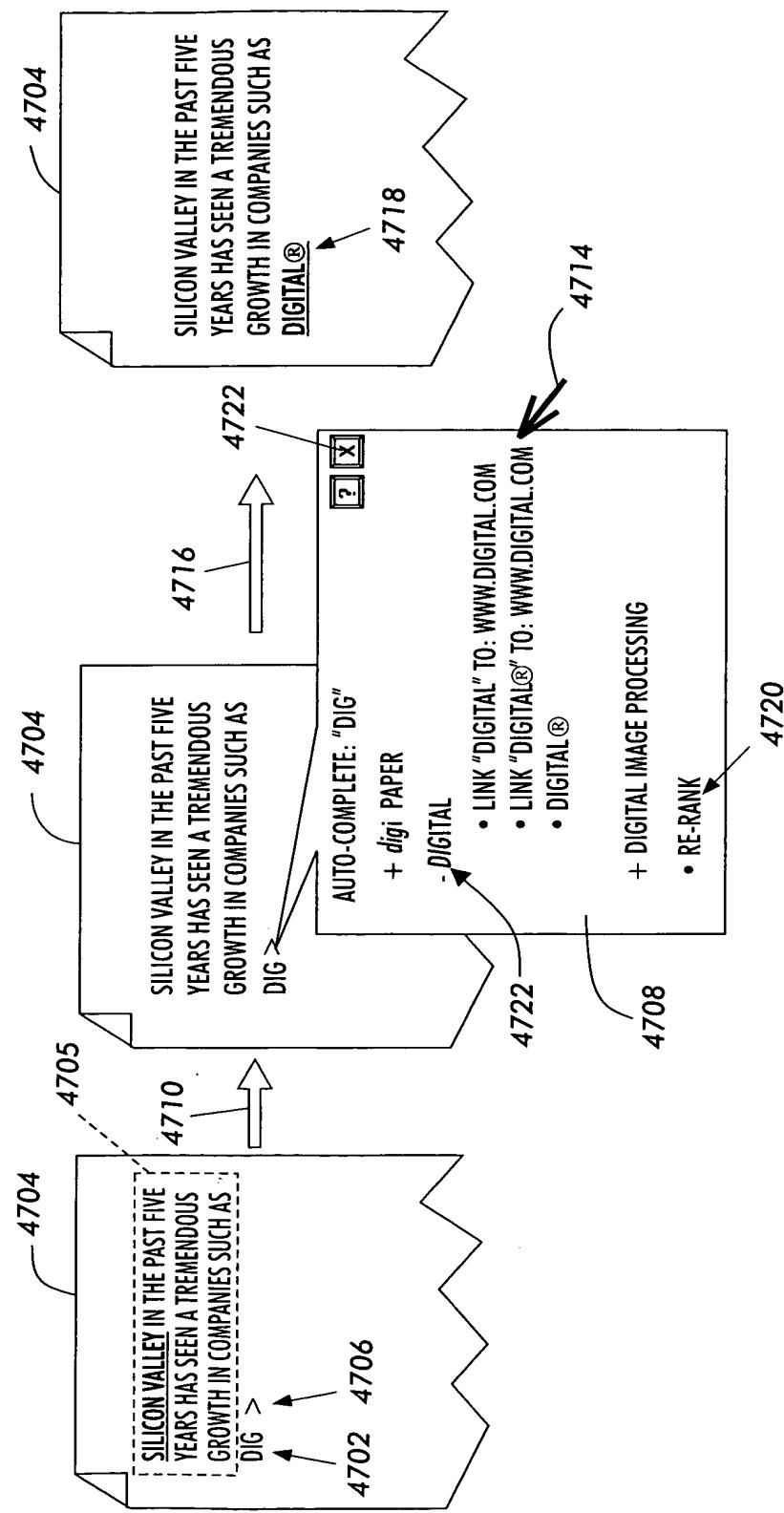


FIG. 47



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(A) KEY	(B) ENTITY	(C) MARKUP	(D) FORMAT	(E) ORIGIN CONTENT	(F) ORIGIN POSITION	(G) PART OF SPEECH	(H) CONTEXT
Sili	Silicon Valley	www.siliconvalley.com	Capitalize	TARGET DOCUMENT	1	Noun	Science
Dig	Digital	www.digital.com	®	www.digital.com	434	Adjective	Science
Dig	DigiPaper	NONE	Bold	www.parc.xerox.com	23	Noun	Science
Dig	digress	NONE	NONE	www.nytimes.com	343	Verb	Politics
...

FIG. 48

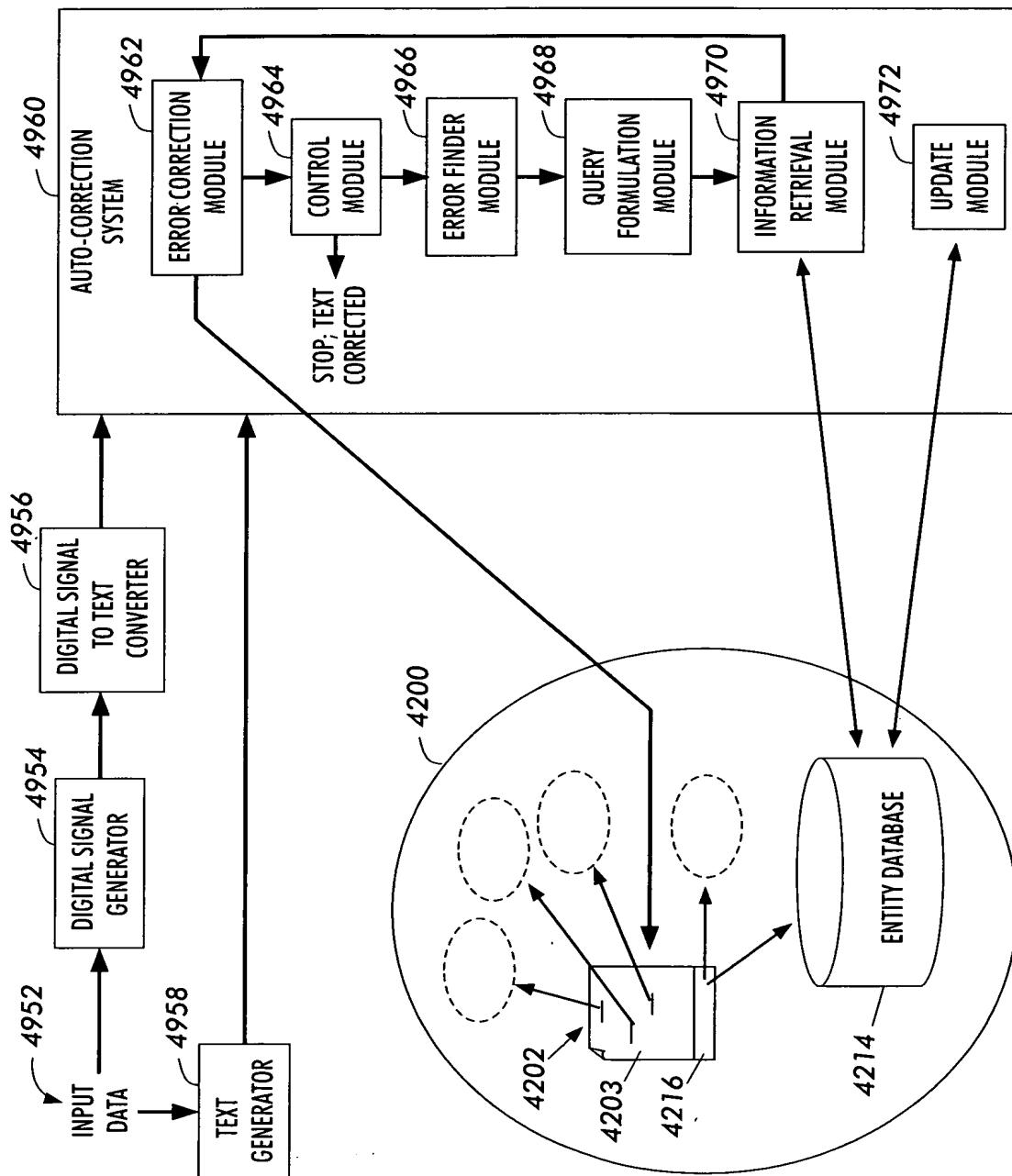
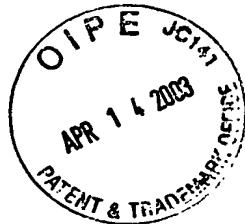


FIG. 49



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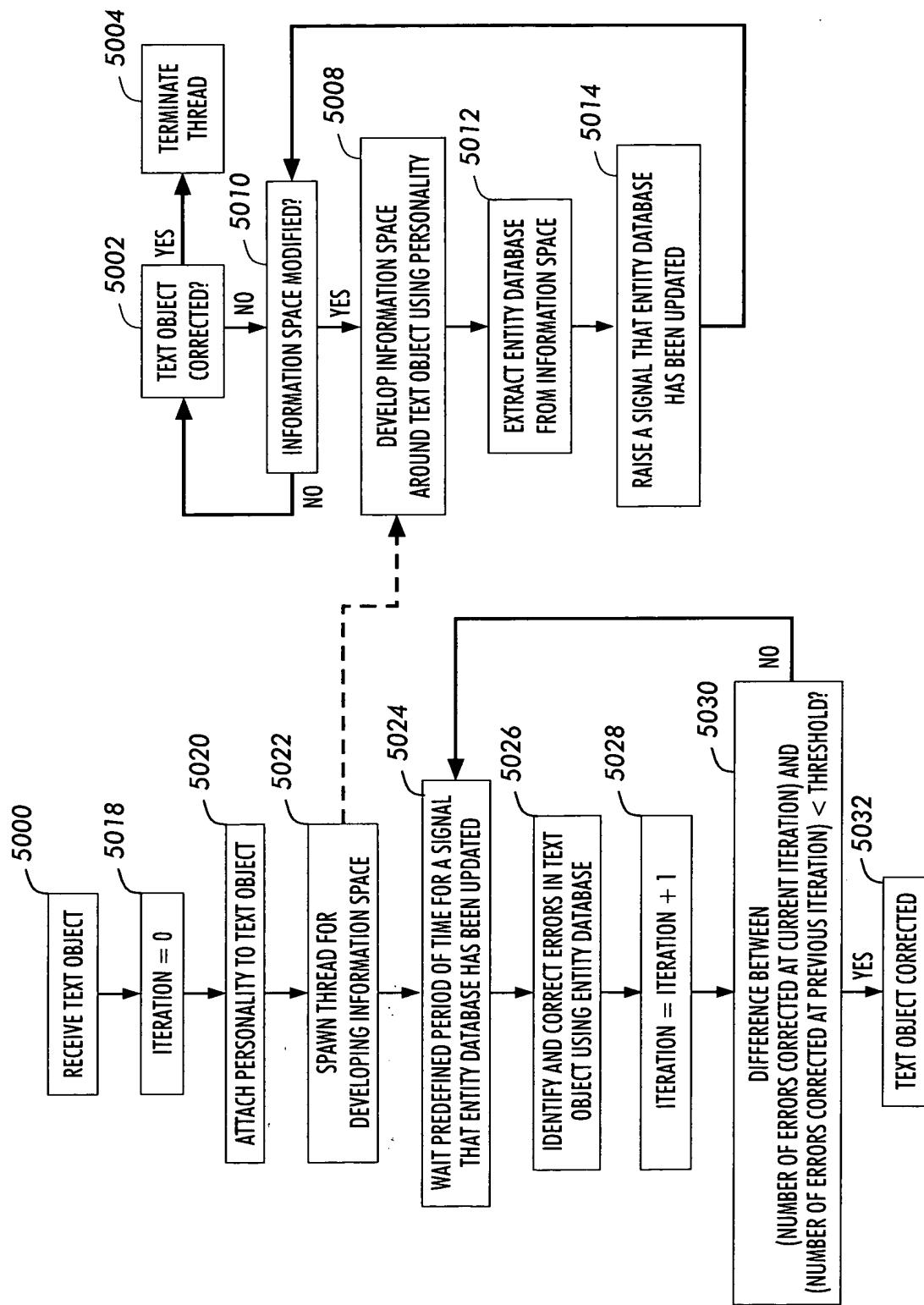


FIG. 50

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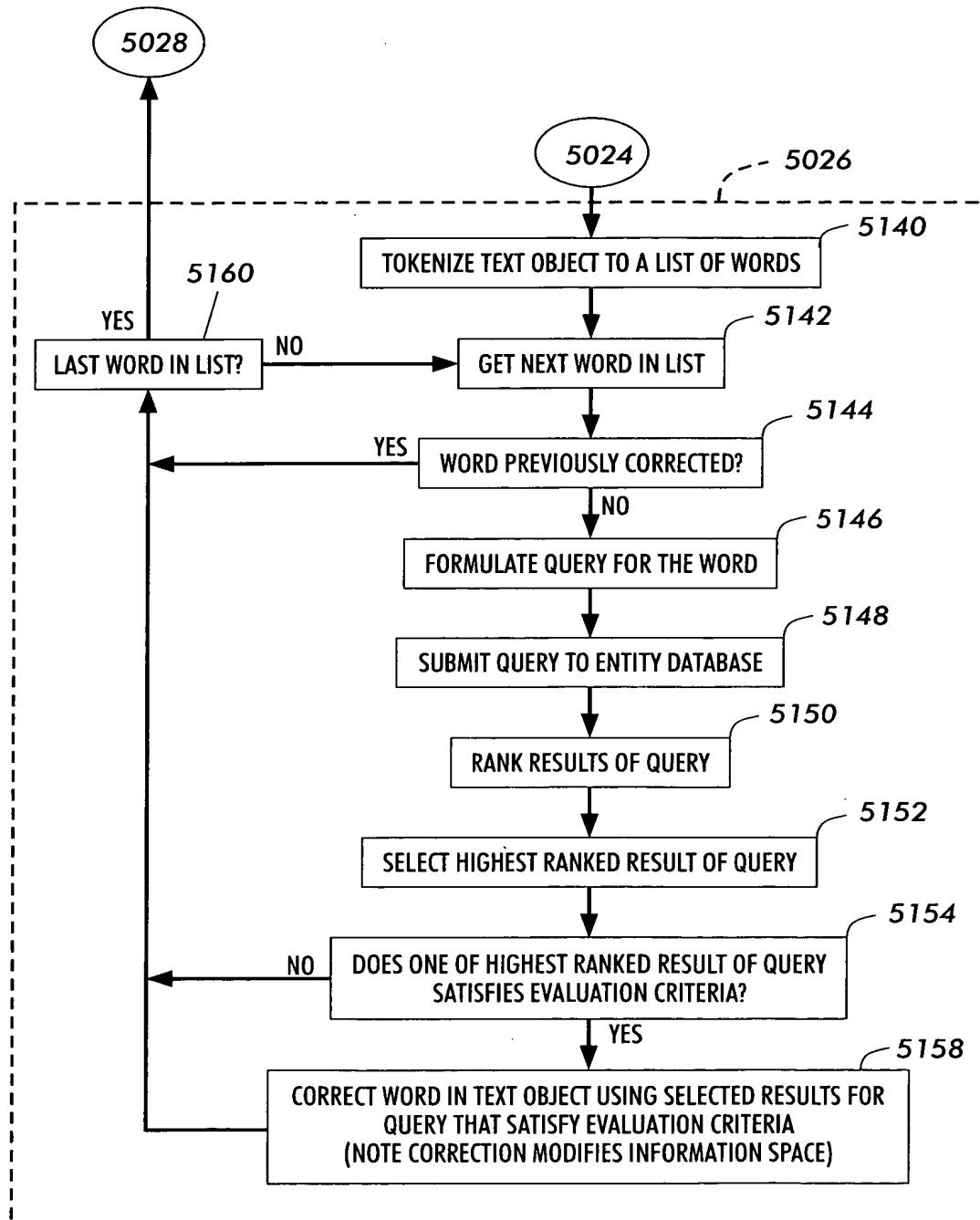


FIG. 51

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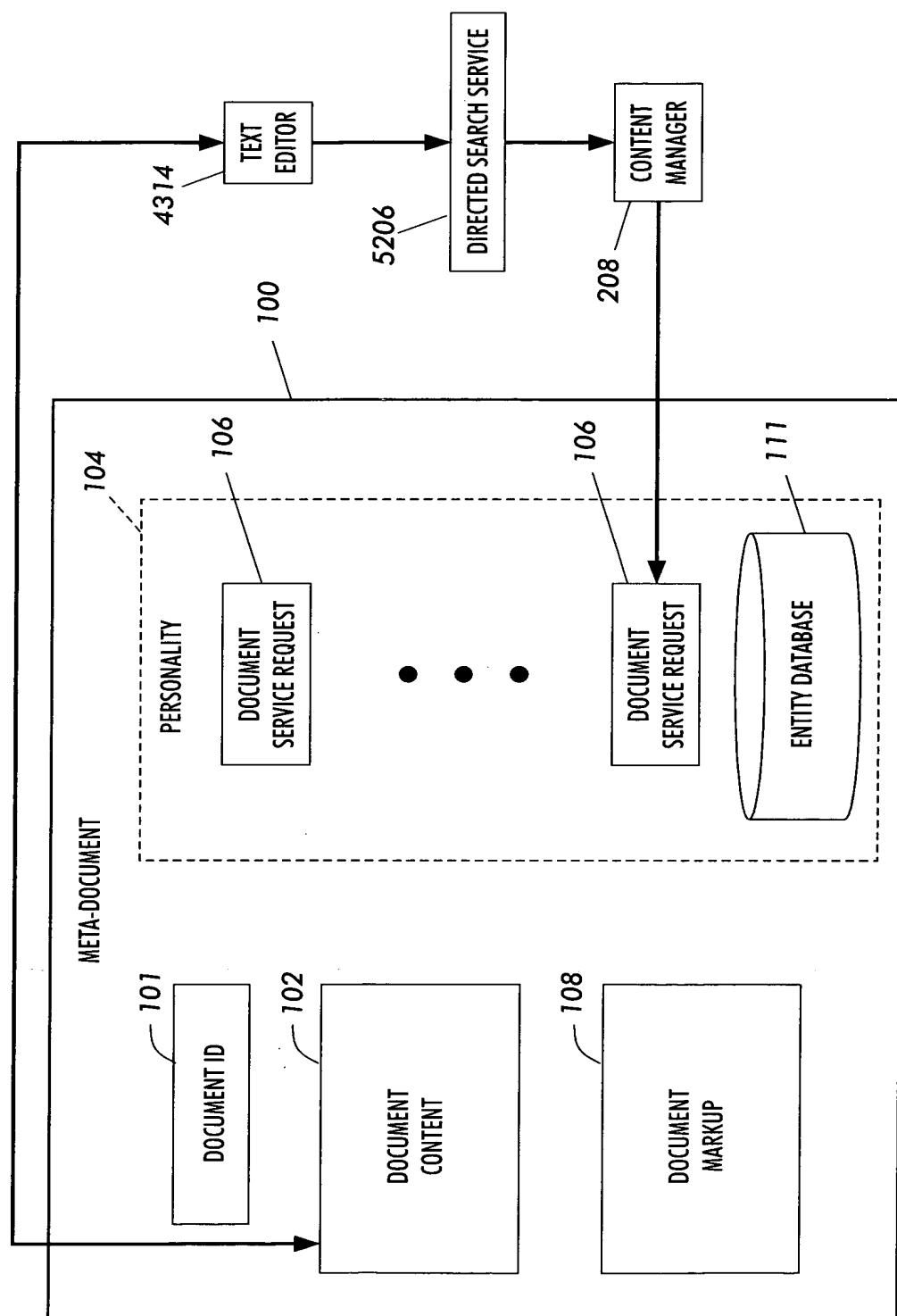


FIG. 52

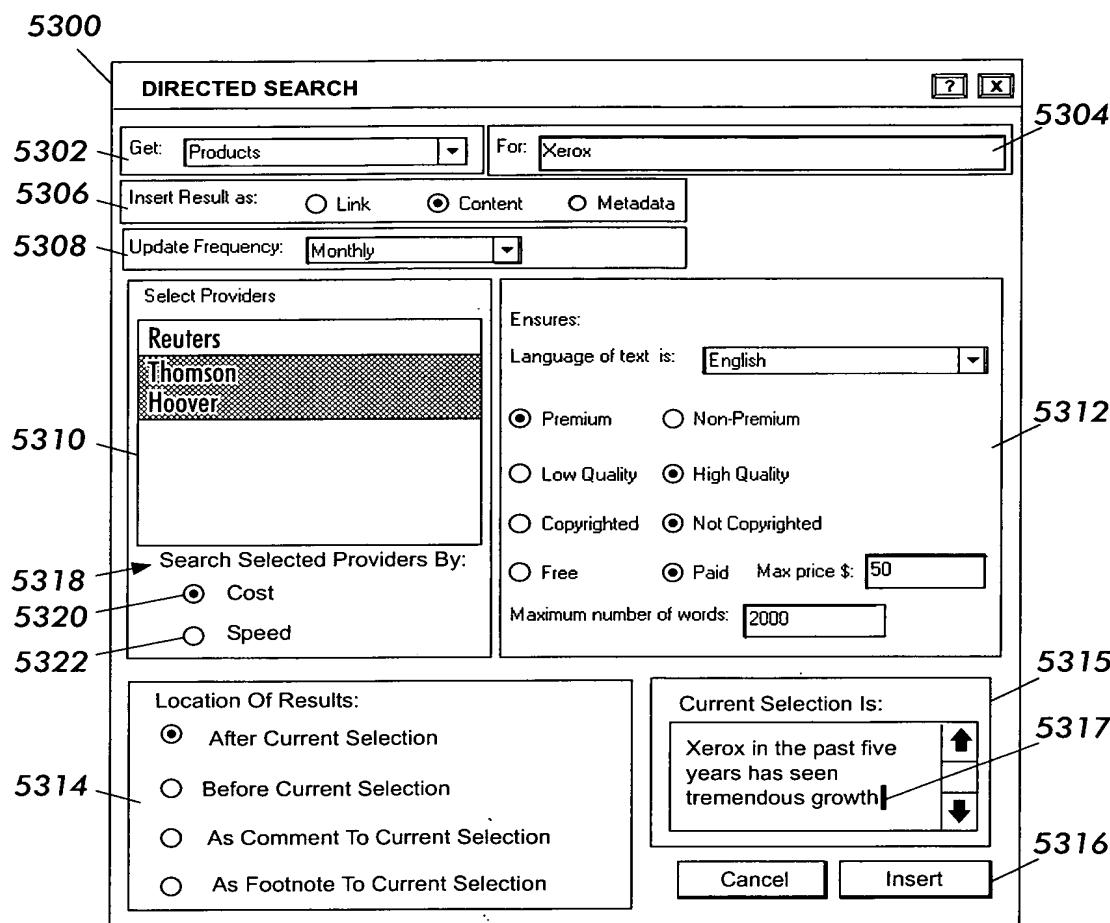
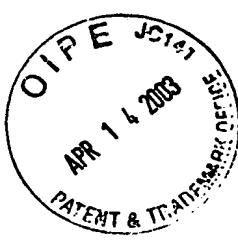


FIG. 53



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```
<service id='Products'  
refresh=30  
insert='Content'  
language='En'  
quality='Premium&High&Not-copyrighted&paid'  
maxprice='50'  
maxwords='2000'  
search='cost'>  
<entity>Xerox  
<offsets>13 18 456 461 710 715</offsets>  
<provider name='Thomson' id=18></provider>  
<provider name='Reuters' id=19></provider>  
</entity>  
</service>
```

FIG. 54

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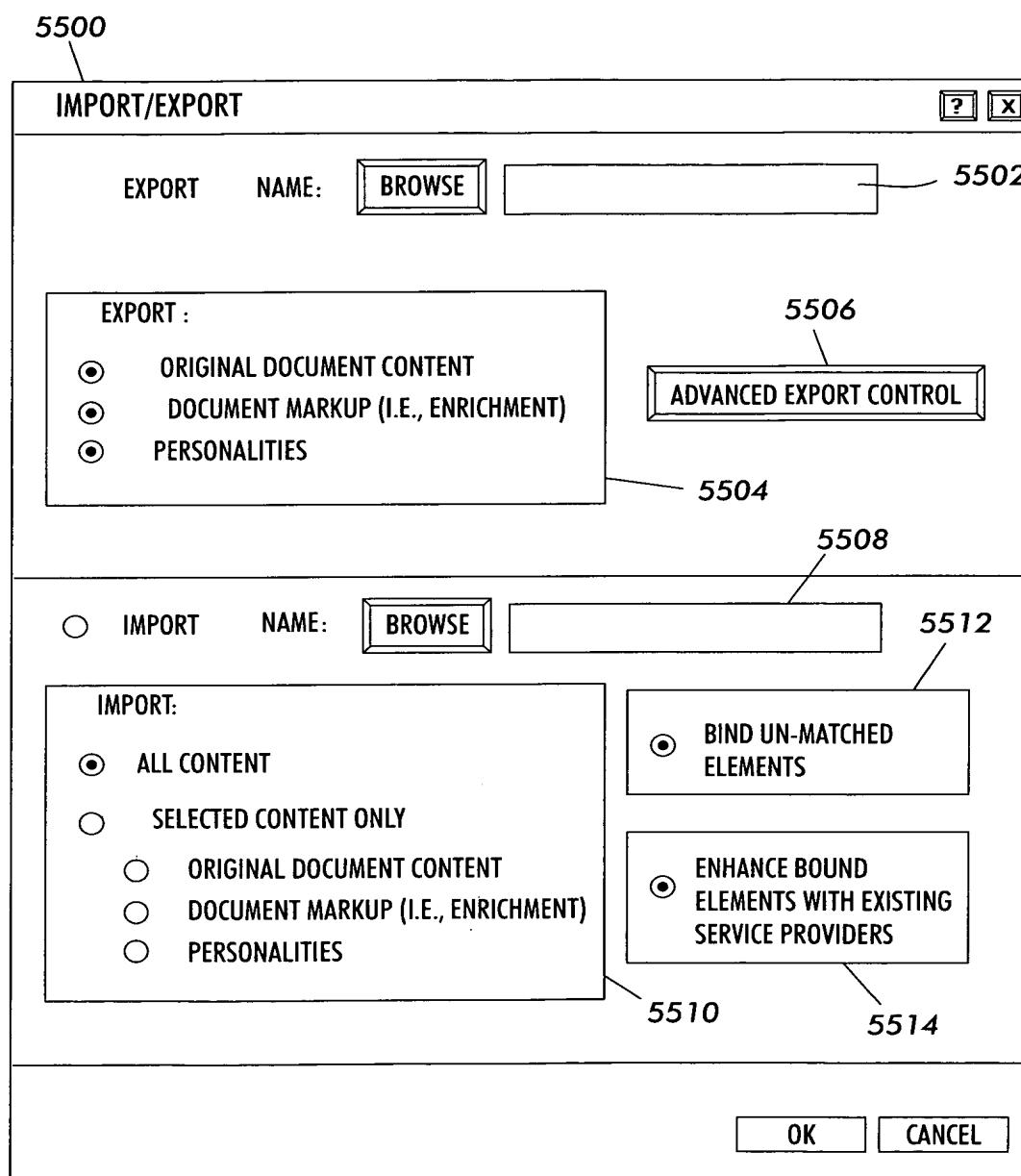


FIG. 55

```
<!-- SERVER ID>
<docSouls:serverId> DS v1.0 server name </docSouls:serverId>
  <!-- PROPERTIES OF DOCUMENT>
    <docSouls:docId> xxx </docSouls:docId>
      <docSouls:name> xxx </docSouls:name>
      <docSouls:owner> xxx </docSouls:owner>
    ...
  <!-- ORIGINAL DOCUMENTS DOCUMENT CONTENT>
  <docSouls:originalDoc format="HTML">toto.html</docSouls:originalDoc>
  <docSouls:browsingDoc format="HTML">browse.html</docSouls:browsingDoc>

<!-- LIST OF PERSONALITIES AND DOCUMENT SERVICE REQUESTS>
<docSouls:endowmentDescription>
  <!-- LIST OF PERSONALITIES>
    <docSouls:personality id = " " name="" etc.>
      <docSouls:service id="" name="" etc.>
        <docSouls:provider name="" etc.>
          <docSouls:provider name="" etc.>
            </docSouls:service>
        <docSouls:personality>
      ...
    <!-- LIST OF SERVICE REQUESTS>
    <docSouls:service id="" name="" etc.>
      <docSouls:provider name="" etc.>
        <docSouls:provider name="" etc.>
      </docSouls:service>
    ...
  </docSouls:endowmentDescription>
```

FIG. 56

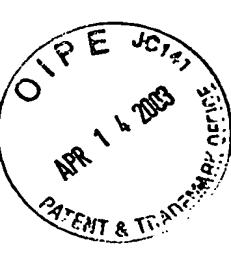
```
<!-- DESCRIPTIONS OF PERSONALITIES>
<docsouls:personalitydescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields AND service categories>
  <docsouls:servicecategory id="" name = "">
</docsouls: personalitydescription>

<!-- NEXT PERSONALITY DESCRIPTION>
...
<!-- DESCRIPTION OF DOCUMENT SERVICE REQUESTS>
<docsouls:servicedescription>
  <docsouls:id> xx </docsouls:id>
  <!-- list all fields (e.g., "refresh period", category, etc.)>
  <!-- list all providers>
  <docsouls:provider id="" name = "">
  <!-- list all strategies>
  <!-- list status of services (original, frozen, mapped, etc.)>
  <docsouls:servicestatus status="mapped" originalid="" originalserver="">
  <!-- list ServerId if the service was not available on current server>
  <docsouls:serverid></docsouls:serverid>
</docsouls:servicedescription>

<!-- NEXT SERVICE REQUESTS DESCRIPTION>
...

```

FIG. 57



```
<!-- DESCRIPTION OF PROVIDERS >
<docsouls:providerdescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields e.g. key, URL, etc. >
</docsouls: providerdescription >

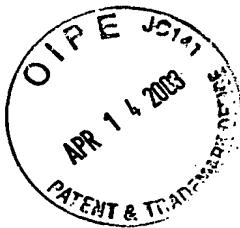
<!-- DESCRIPTION OF DICTIONARIES >
<docsouls:dictionarydescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields, e.g. category >
</docsouls:dictionarydescription>

<!-- DESCRIPTION OF STRATEGY >
<docsouls:strategydescription>
  <docsouls:id> xx </docsouls:id>
  <!-- all the fields >
  <!-- all the dictionaries >
</docsouls:strategydescription>

<!-- RESULTS OF GLOBAL SERVICES >
<docsouls:globalservice id="Summary">
  <docsouls:link> xxx </docsouls:link>
  <docsouls:content> xxx </docsouls:content>
</docsouls:globalservice>

<!-- OTHER RESULTS (E.G. KEYWORDS, CATEGORIES, ETC. >
```

FIG. 58A



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```
<!-- (OPTIONAL) DESCRIPTION OF ENRICHMENT PERFORMED AT OTHER DOCUMENT ENRICHMENT
SYSTEMS>
<docsouls:serverid>olderServerId</docsouls:serverid>
<docsouls:personalitydescription>...</docsouls: personalitydescription>
<docsouls:servicedescription>...</docsouls: servicedescription>

<!-- (OPTIONAL) LIST OF RESULTS OF THE LAST ENRICHMENT >
<!-- IDENTIFY DOCUMENT SECTION IN CASE OF MULTI-PART DOC >
<docsouls:docpart>main_frame.html</docsouls: docpart>
<!-- OFFSET WHEN ENRICHMENT APPLIES TO A SECTION >
<docsouls:offset> 0 200 </docsouls:offset>
<!-- STATUS OF SERVICE APPLIED ("ACTIVE" OR "FROZEN") >
<docsouls:service id="StockQuote" status="active">
<!-- ENTITY >
<docsouls:entity>Xerox
<!-- NORMALIZED FORM >
<docsouls: normform>Xerox</docsouls: normform>
<!-- LIST OF OFFSETS WHERE ENTITY IS FOUND IN TEXT RELATIVE TO SECTION >
<docsouls: offsets start=35 end=40 />
<docsouls: offsets start=232 end=237 />
<!-- DICTIONARIES >
<docsouls: dict> xxx </docsouls: dict>
<!-- STRATEGIES >
<docsouls: strat> xxx </docsouls: strat>
<!-- LINK INFORMATION >
<docsouls: link> xxx </docsouls: link>
<!-- CONTENT INFORMATION >
<docsouls: content> xxx </docsouls: content>
</docsouls: entity>
<!-- NEXT ENTITY>
...
</docsouls: service>
```

FIG. 58B

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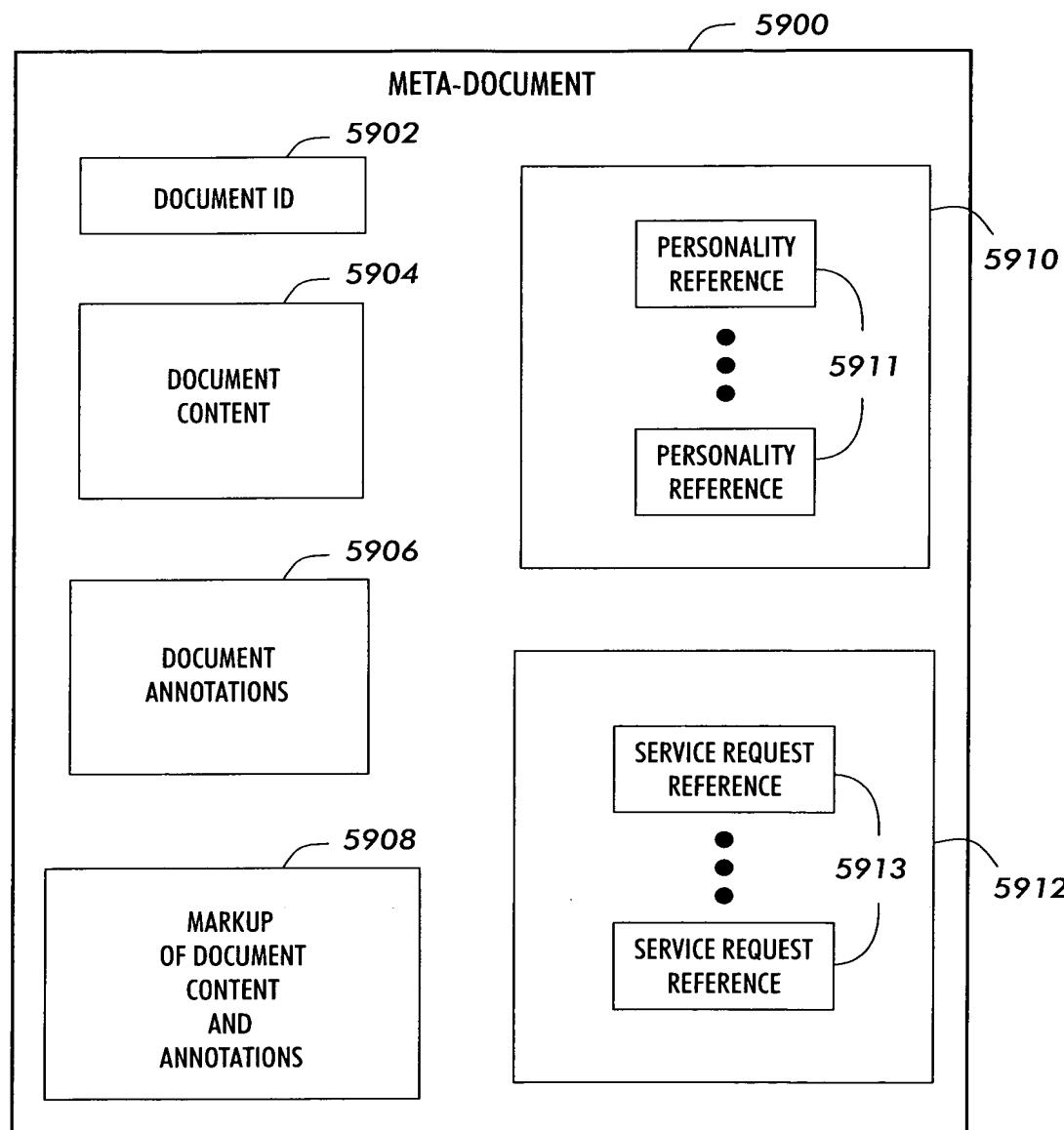
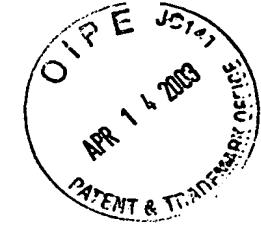


FIG. 59



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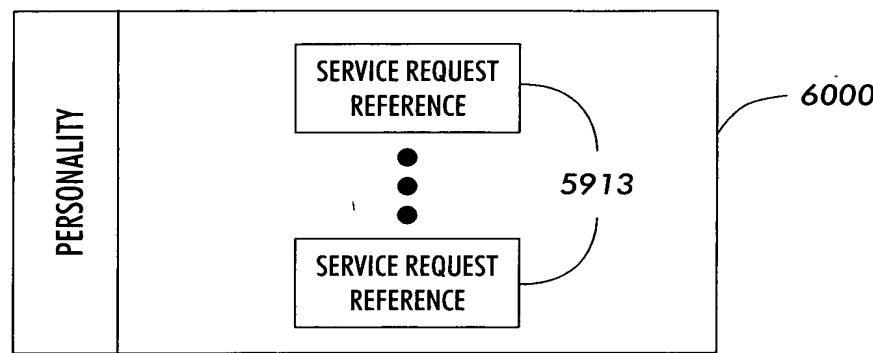
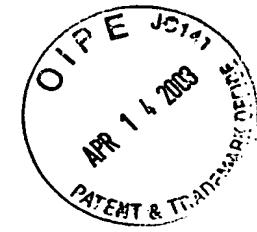


FIG. 60



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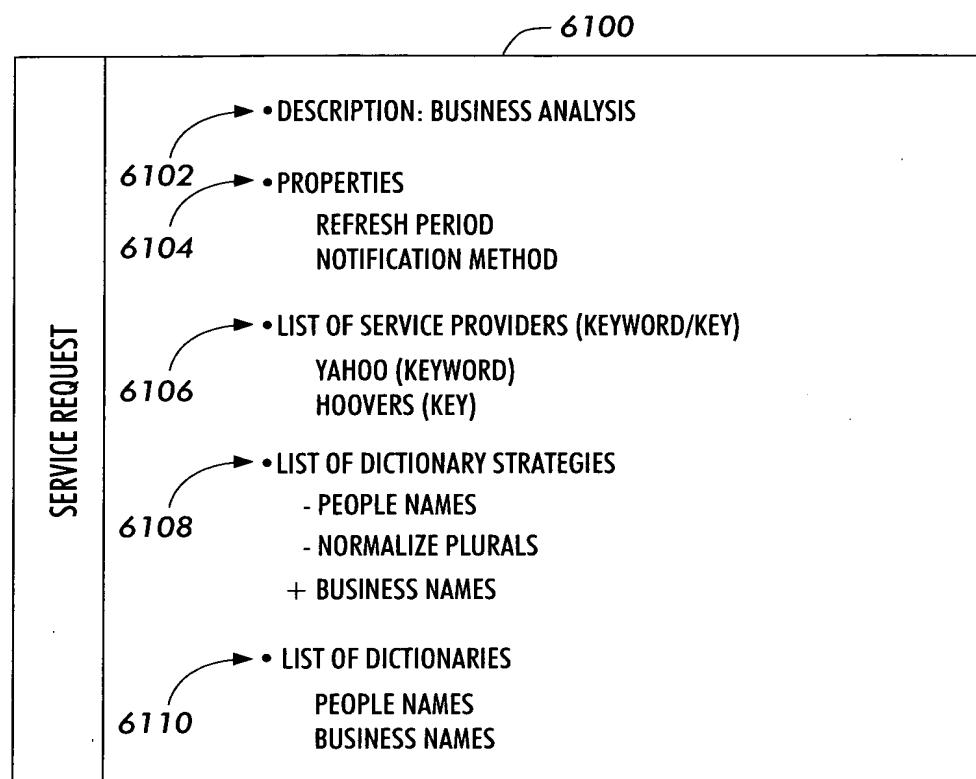
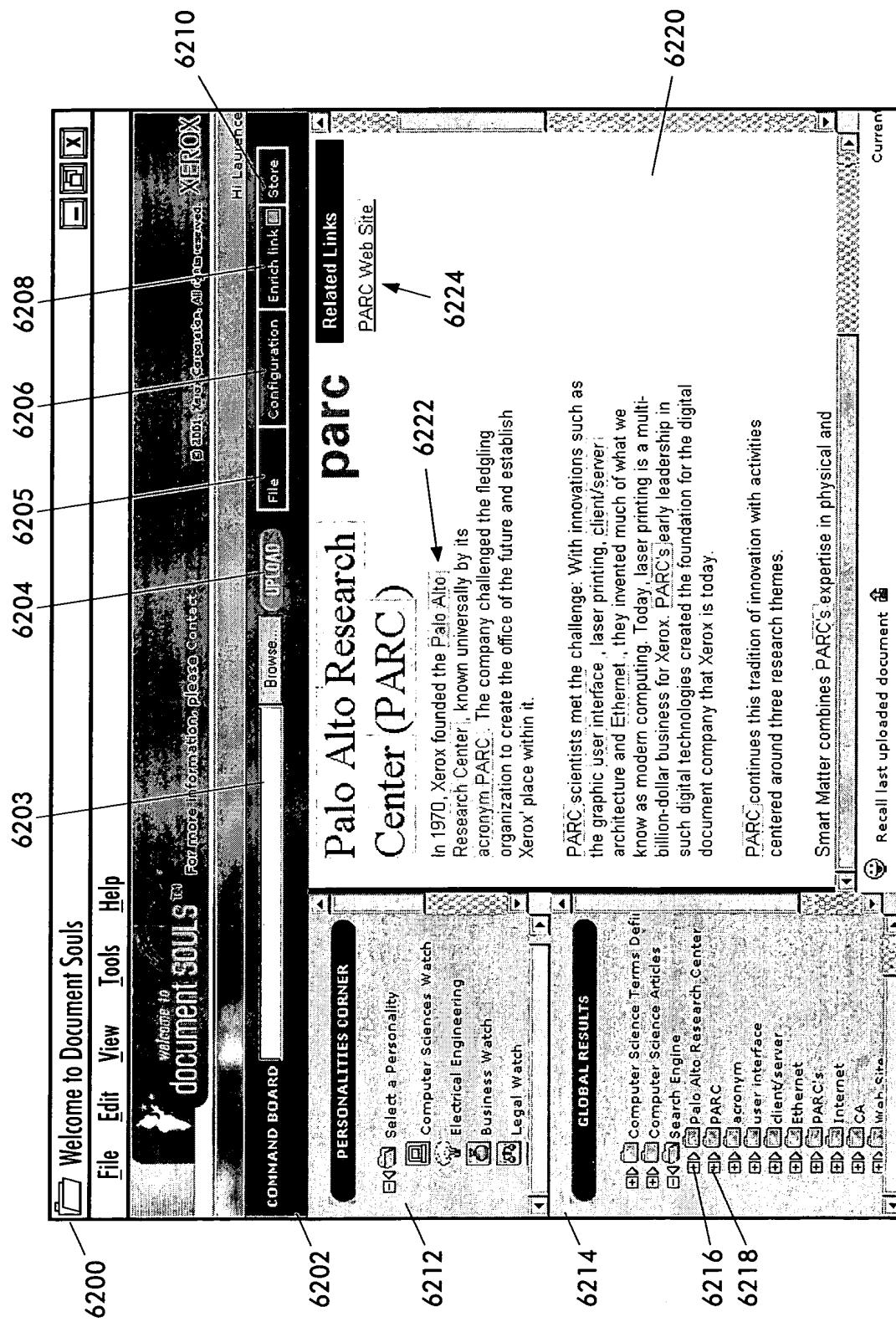


FIG. 61

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□ DOCUMENT SOUL GLOBAL VIEW

Document : [http://www2.xerox.com/go/...](http://www2.xerox.com/go/)
Personality : Computer Sciences Watch

6302
6304
6306
6308
6310
6312

Global percent

	100%	100%	100%	100%	100%	100%	100%
harcourt Computer Science Terms Definition	□	□	□	□	□	□	□
nightflight Computer Science Terms Definition	□	□	□	□	□	□	□
techweb Computer Science Terms Definition	□	□	□	□	□	□	□
nist Algorithms Description	□	□	□	□	□	□	□
calliope Computer Science Articles	□	□	□	□	□	□	□
citeseer Computer Science Articles	□	□	□	□	□	□	□
csb Computer Science Articles	□	□	□	□	□	□	□

GetView

Preparing document view.

FIG. 63

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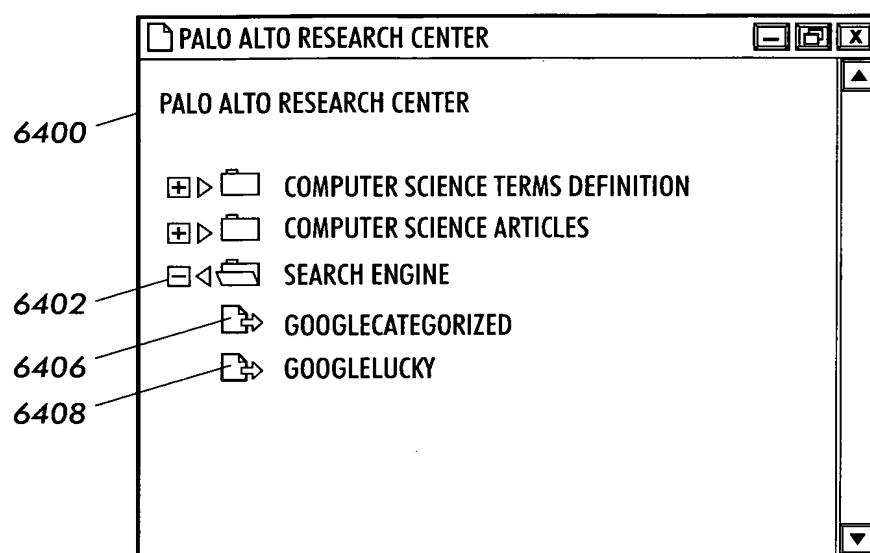


FIG. 64

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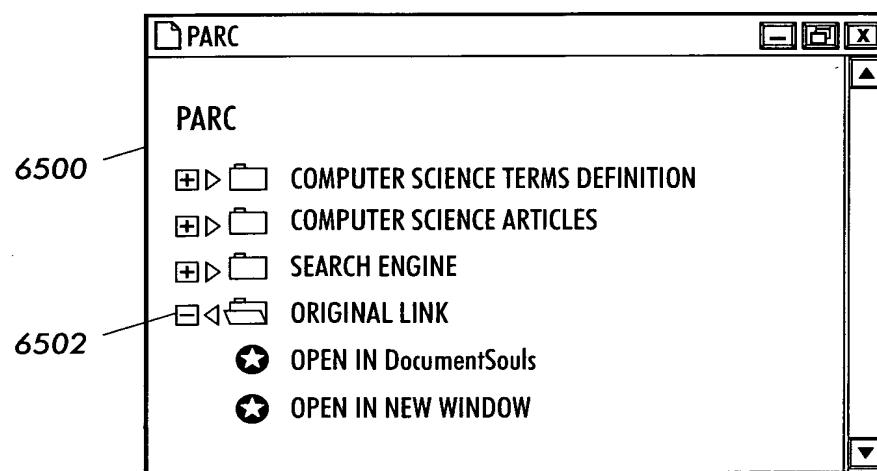
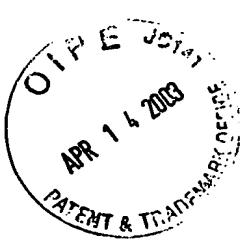


FIG. 65



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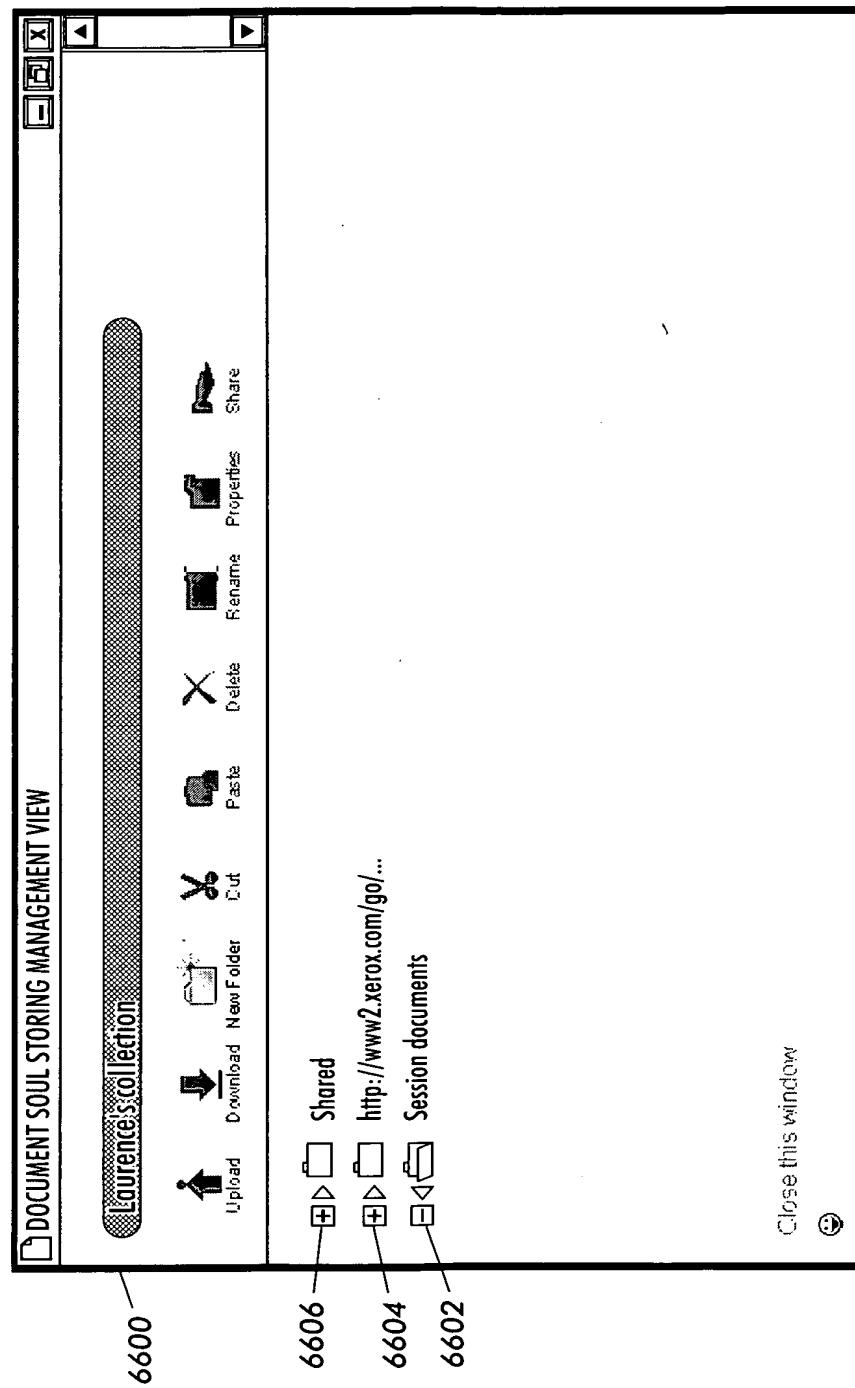


FIG. 66

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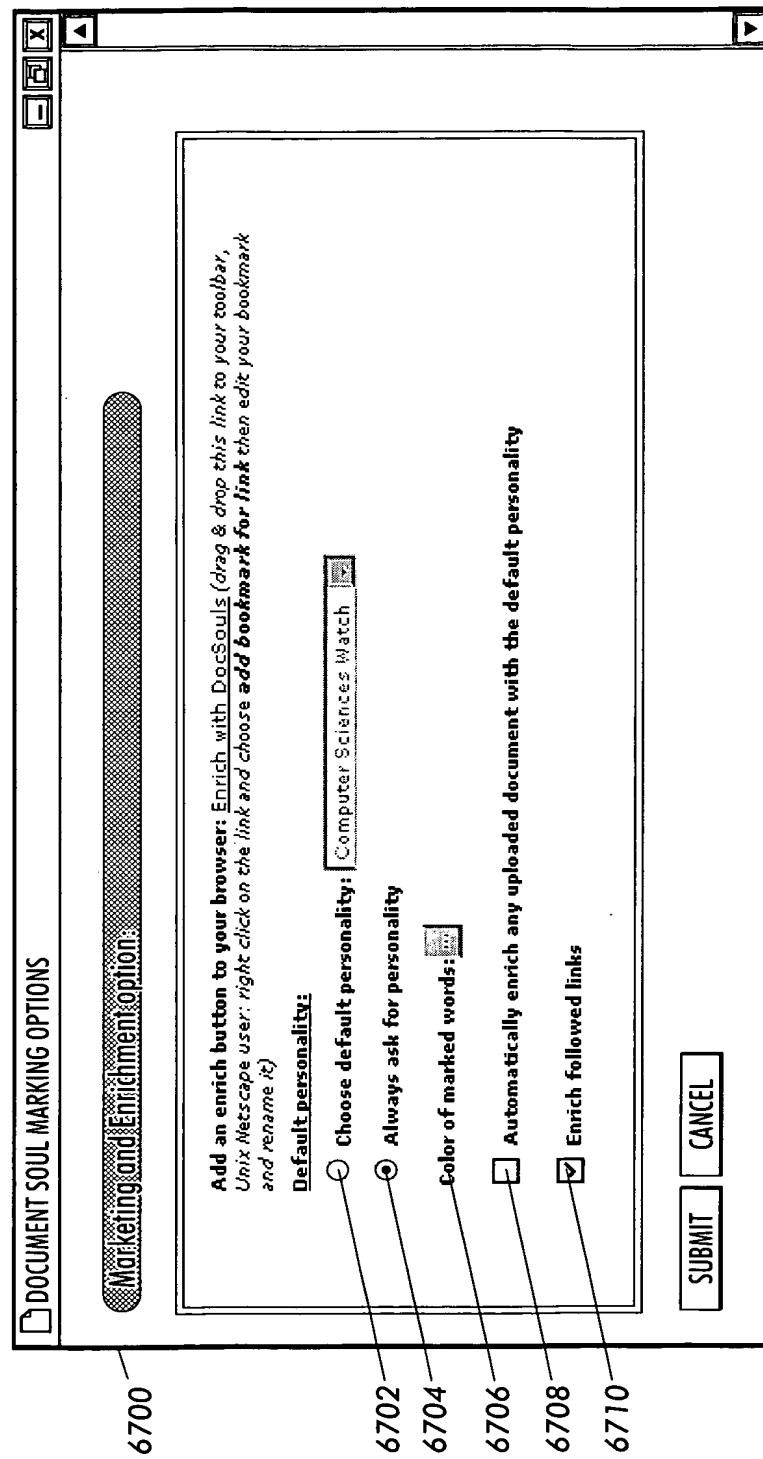


FIG. 67



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DOCUMENT SOUL SERVICES CONFIGURATION

List of available service categories

Abstracts

Name	Type	Status	Priority	Provider	Dict(s)	Refresh	Query
Abstracts from Compendex	STANDARD	Unknown	LOW	usPatent_office	<input type="button" value="List"/>	<input type="button" value="none"/>	<input type="button" value="LINK"/>
Abstracts from Website Ab	STANDARD	Unknown	LOW	website_abstracts	<input type="button" value="List"/>	<input type="button" value="none"/>	<input type="button" value="LINK"/>

6802

Industry Standards

Patents and IPs

Engineering Handbooks

Technical News

Technical Information

List of all Abstracts from Compendex databases

6804

Name	Category	Select
electricalEngineering	/Science/Technology/	<input checked="" type="checkbox"/>
names	?Society/People/	<input checked="" type="checkbox"/>

FIG. 68